

# Hesearch impact: marking a rufterence

### Helping the NHS deliver better care for less money

Health bodies in England used tools developed by LSE researchers to plan delivery of better patient care at a time of austerity

### What was the problem?

More than £100 billion is spent on healthcare in England every year . almost 15% of government spending.

In the current era of reduced public spending there is continual pressure on the regional bodies that commission health services to make better use of their limited resources.

At the same time they have a duty to deliver improvements in the quality of care and achieve the best value for money, as set out in the  $\tilde{O}[\varsigma^{+}] \{ ^{+} \}$  mandate.

The budget of the National Health Service has been growing by just 0.1% a year above the rate of inflation between 2011 and 2015. This level of expenditure is not expected to accommodate the growth in population and demands for newer and more expensive treatments unless significant cost efficiencies can be achieved.

#### What did we do?

Health economists have developed a framework to assess the impact of medical interventions in terms of the costs and the gains in health (cost-effectiveness analysis). This technique is, however, not easy to use by commissioning bodies to set healthcare priorities within a fixed financial budget. LSE researchers developed an assessment technique to help in making cost-effectiveness principles easier to use. This is STAR (Socio-Technical Allocation of Resources).

The researchers worked with three Primary Care Trusts in England . bodies responsible for commissioning services from providers . and with health authorities in Italy and Canada. They found that in each  $\*ensuremath{\text{e}}$  of area no data were available on the impact of interventions on the health of populations.

To address this deficit, the researchers designed a process



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future health interventions in terms of their health benefits and value for money and in terms of setting health priorities and targets for local populations.

The Global Fund, which is the [ ||aq | largest financial supporter of programmes to fight AIDS, malaria and tuberculosis, invited the LSE team to run pilots to test its approach in helping countries develop clear investment plans that are good value-for-money. The first pilot was successful and more were scheduled for 2013/14.

LSE research conducted in collaboration with and for the Isle of Wight Primary Care Trust led to National Health Service Isle of Wight winning an award for Excellence in Commissioning from the Institute for Innovation and Improvement. This drew attention from, and influenced the thinking of, healthcare planners in the English NHS. One of the specific results of the collaboration was a 50% reduction in emergency asthma admissions by investing in improving ] 22 or qinhaler technique.

IMPRESS, a joint initiative between the two leading respiratory clinical societies in the UK, used STAR to develop a guide for commissioning authorities on chronic obstructive pulmonary disease. Sir Muir Gray, Chief Knowledge Officer of the National Health Service, recommended the IMPRESS tool be and adapted by all clinical communities of ] also and adapted by all clinical communities of ] also are the UK, used STAR to develop a guide for commissioning authorities on chronic obstructive pulmonary disease. Sir Muir Gray, Chief Knowledge Officer of the National Health Service, recommended the IMPRESS tool be and adapted by all clinical communities of ] also are the UK, used STAR to develop a guide for commissioning authorities on chronic obstructive pulmonary disease.



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