to address “upstream” issues, a focus on short-term national targets appeared to have constrained the adoption of population-level prevention initiatives in favour of “downstream” service development approaches. Furthermore, participants anticipated increased rationing of health care in the near future. Reliable research evidence was considered essential to inform rationing decisions. However, most academic research was perceived to be aimed at clinicians. Guidelines, particularly those produced by the National Institute for Health and Clinical Excellence (NICE), as well as local data (such as hospital statistics), were currently the main sources of evidence used by policy-makers and planners. In order to facilitate future decision-making, participants requested that researchers provide unequivocal evidence on the best approaches to service delivery.

Conclusions Most policy-makers and planners rely on NICE guidelines and local data rather than directly accessing research evidence. Furthermore, public health decision-making in the NHS is constrained by organisational rigidity imposed by historic budgets and short-term national targets. Recent NHS cuts have led to increased systematisation and an emphasis on the evidence base. However, these cuts have also led to a focus on downstream interventions. In future, more effective health care rationing may require additional research on models of service delivery.

Area effects

P56 DOES AREA REGENERATION IMPROVE RESIDENTS’ HEALTH AND WELL-BEING?

D Archibald. The University of St-Andrews, St-Andrews, UK

Background Despite £12 billion of UK government investment in the last 20 years, the impact(s) of regeneration initiatives on health remain unclear. The literature shows that some regeneration initiatives appear to have had positive effects on health, whilst others have had no, or even a detrimental effect. This however may be down to difficulties in designing appropriate evaluation studies rather than the effects of regeneration per se. Evaluations in this field have often lacked rigour and have thus rarely been able to explore the dynamic nature of area change that often accompanies the regeneration process.

This poster reports on the progress of the quantitative phase of a mixed-methods PhD study that employs a mixed-methods design to investigate the little understood effects of area regeneration on health in Scotland.

Objective To address limitations seen in previous evaluations such as:

- Use of small case studies to make assumptions about the successes and/or failings of regeneration programmes.
- Inability to follow individuals through time so that individuals’ changing circumstances can be more securely related to the regeneration processes that they experience.
- Use of unsatisfactory cross-sectional approaches that compare population characteristics before and after regeneration processes, which ignores the fact that resident population may have changed substantially during the regeneration period.

Methods This phase of the research will conduct a quantitative secondary analysis of data from the Scottish Longitudinal Study to explore the health and socio-economic effects of area regeneration on people’s health and well-being in Scotland. We will compare outcomes for individuals who experienced regeneration between 1991 and 2001 with individuals living in similarly deprived areas throughout the same period that did not.

Conclusion Area-based regeneration is seen in the UK as a strategy for tackling the poor health and health inequalities that many of the poorest members of society experience simply by virtue of their socio-economic status. Thus, unlike many past evaluations, this longitudinal study will allow us to determine how regeneration has influenced those who actually experienced it by following individuals through time. This will benefit the wider public by helping to improve the rigour of the (currently limited) evidence base, which in turn may assist in the development of more effective policy aimed at tackling socio-economic deprivation through area-based initiatives.

P57 PERSISTENT REGIONAL VARIATION IN TREATMENT OF HYPERTENSION

J Mindell, N Shelton, M Roth, M Chaudhury, E Falaschetti. Health and Social Surveys Research Group, Department Epidemiology & Public Health, UCL, London, UK; 2Cardiac Unit, UCL Institute of Child Health, London, UK

Objective To investigate risk factors for treatment for hypertension in people with survey-defined hypertension in England.

Design Cross-sectional health examination surveys.


Participants A new, nationally representative sample is selected each year. A random sample of the free-living general population (HSE...
2005 (n=5521), 2006 (n=10,213), 2007 (n=4,848)) were visited by an interviewer then a nurse; the interview was supplemented by physical measurements using standardised protocols. Blood pressure was measured three times with an Omron HEM207 after a 5-min rest. Mean of second and third readings in participants who had not eaten, drunk alcohol, smoked, or exercised in the preceding 30 min was used.

Main Outcome Measures Hypertension was defined as systolic blood pressure ≥140 mm Hg, diastolic blood pressure ≥90 mm Hg, and/or taking prescribed medication to lower blood pressure.

Results A higher proportion of participants in London than elsewhere in England with survey-defined hypertension were on treatment (2005–2007 average: 61% men, 66% women in London; 45% men, 55% women in England, (p for London vs rest of England <0.001 for each sex). Regression analysis showed this regional effect for odds of treatment persisted after adjustment for demographic, socio-economic, and health behaviours (OR 1.48, 95% CI 1.04 to 2.10, p=0.029) and was strengthened (OR 1.57 (1.25 to 2.51), p=0.005) by including self-reported health, long-standing illness, diabetes, and cardiovascular disease in the model. Apart from the regional differences, treatment for hypertension increased with age and was more likely among women (OR 1.59 (1.29 to 1.97), p<0.001); former smokers (OR 1.44 (1.05 to 1.99), p=0.026); and people who were married; were overweight (OR 1.40 (1.03 to 1.89), p=0.033) or obese (OR 1.80 (1.32 to 2.42), p<0.001); reported limiting (OR 2.49 (1.93 to 3.20), p<0.001) or non-limiting (OR 3.25 (2.48 to 4.24), p<0.001) long-term illness; or reported diabetes (OR 2.36 (1.60 to 3.47), p<0.001) or cardiovascular disease (OR 1.54 (1.18 to 22.02), p=0.002). Treatment was 35% and 61% less likely in widowed (p=0.004) and co-habiting participants (p<0.001), respectively, and 40% less likely in binge-drinkers (p=0.014).

Conclusion The proportion of people in London being treated for hypertension is above the national average even after adjustment for sociodemographic and health-related factors. This may be due to greater population mobility in London with more people having new Patient Health checks. Education and financial incentives for improvements in detection, treatment and control of hypertension in primary care in England have been beneficial but remain inadequate.

Results As expected, people in the most fragmented quintile were more likely to be unmarried and living in single person households, much more likely to be deprived, and were more likely to have a significant psychological disorder (OR 1.70, 95% CI 1.30 to 2.24), after adjusting for age and sex. Although level of perceived social support was strongly associated with GHQ12 score, adjustment for this did not significantly explain the likelihood of poor mental health across fragmentation quintiles (OR 1.44, 95% CI 1.08 to 1.91). However, adjustment for SES and LLTI completely eliminated the association between social fragmentation and psychological ill health.

Conclusions Social Fragmentation is associated with poor mental health, but only because these areas tend to be more deprived. After adjustments are made for SES, social fragmentation has no association with the likelihood of psychological disorder. It’s who you are not where you live that determines mental health. However, before we completely sound the death knoll for social fragmentation we should take into consideration the recognised imperfections of the construct and modify it. Until then, policies to improve mental health should focus on reducing individual poverty and material disadvantage rather than changing the character of areas.
P57 Persistent regional variation in treatment of hypertension

J Mindell, N Shelton, M Roth, M Chaudhury and E Falaschetti

*J Epidemiol Community Health* 2010 64: A55-A56
doi: 10.1136/jech.2010.120477.57

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