would be politically unpopular. Competition was manacled.8 And in the United States, where the market rips more than anywhere else, tighter controls on spendingfor example, by managed care organisations-have greatly reduced individual choice.7

Finally, would stakeholder insurance competition "fail" the poor any less than now? It is difficult, from Green's description, to understand what the incentives would be for people to opt out of the NHS into stakeholder insurance. People with lower ability to pay topups would be excluded. It is hard not to believe that stakeholder insurance is a way to allow the well off to opt out of tax payments that, through the NHS, are redistributed to the less well off, who tend to be sicker.

Equity, efficiency, responsiveness

The effect of stakeholder insurance on equity and responsiveness to individual choice is largely dealt with above. What about efficiency? Green cites evidence that suggests that administrative costs for an insurance scheme would be as low as 5.5%—not much more than current administration costs in the NHS. But it is hard to see how stakeholder insurance transaction costs could be kept to this level given the scale of annual tendering and contracting outlined.

Who wins, who loses?

Plans for reforming health care are often little more than thinly disguised attempts to redistribute resources by socioeconomic class.7 What is the right balance between, on the one hand, individual choice in health care consumption, and on the other, equity of access to health care by those most in need, is fundamentally a question of values and political belief. Green wants to tilt the balance towards choice, and therefore towards those who can pay. It is clear who the losers are intended to be-Green's aims are disingenuous at best.

Competing interests: None declared.

- Dixon J, Harrison AJ, New B. Funding the NHS: is the NHS underfunded? BMJ 1997;314:58-61.
- Payne N, Saul C. Variations in use of cardiology services in a health authority: comparison of coronary artery revascularisation rates with prevalence of angina and coronary mortality. BMJ 1997;314:257-61.
- Shaukat N, de Bono DP, Cruickshank JK. Clinical features, risk factors, and referral delay in British patients of Indian and European origin with angina matched for age and extent of coronary atheroma. BMJ 1993:307:717-8.
- Kee F, Gaffney B, Canavan C, Little J, McConnell W, Telford AM, et al Expanding access to coronary artery bypass surgery: who stands to gain? Br Heart J 1995;73:129-33.

 Le Grand J, Mays N, Mulligan J, eds. Learning from the NHS: a review of the evidence. London: King's Fund, 1998.
- Smee C. United Kingdom. J Health Politics Policy Law 2000;25:945-51.
- Morone JA. Citizens or shoppers? Solidarity under siege. J Health Politics Policy Law 2000;25:958-68.
- Brown L, Amelung VE. Manacled competition in Germany. Health Affairs 1999:18:76-81.

Care of older people Mental health problems

Alistair Burns, Tom Dening, Robert Baldwin

Specialist mental health services for older people have grown rapidly and successfully over the past two decades, aiming to offer services that are comprehensive, accessible, responsive, individualised, multidisciplinary, accountable, and systematic. As with all mental health problems, the burden falls on primary care (where minor morbidity often goes undetected) and specialist services tend to be reserved for those conditions and patients where diagnosis and management is problematic. The total cost of caring for people with dementia in the United Kingdom is estimated at £6bn (\$9bn) a year¹—a figure whose impact is diluted by the fact that it combines both health and social services. We outline the current evidence of benefit in four areas: services currently available; interventions that have been shown to be effective; rating scales that should be recommended to clinicians for detecting common mental health problems; and the needs of carers.

Services for older people

A recent report by the Audit Commission surveyed 850 carers and 1005 general practitioners by visiting 12 areas of the United Kingdom and conducting face to face interviews.2 The results showed that the range of services in health authorities was patchy and varied between the different authorities; in addition, coordinated care between health and social services was lacking. Individual components of old age psychiatry

Summary points

Recent reports have highlighted the needs of older people with mental health problems

Mental health problems are underrecognised and undertreated in primary care

The use of guidelines and standardised screening instruments may improve this

Caring for a person with dementia is stressful, and carers' needs are being increasingly recognised

Carer interventions in people with dementia have been shown to be effective in randomised controlled trials

Depression, the commonest mental health disorder in later life, is eminently treatable, but psychological therapies are underused

services have been evaluated and described in the literature. Memory clinics, for example, improve significantly the quality of life in carers of people with dementia because of the treatment and advice they offer.3 4 In dementia, there has been a particular

This is the third in a series of four articles

University Dept of Psychiatry, Withington Hospital, Manchester M20 8LR

Alistair Burns professor of old age psychiatry

Box 311, Fulbourn Hospital, Cambridge CB1 5EF

Tom Dening $consultant\ p\"{sychiatrist}$ continued over

BMJ 2001;322:789-91

York House, Manchester Royal Infirmary, Manchester M13 9BX Robert Baldwin consultant old age psychiatrist

Correspondence to: A Burns A_Burns@fs1.with. man.ac.uk

Series editor: Ian Philp i.philp@sheffield. ac.uk emphasis on earlier and more open diagnosis to enable individuals to make choices and decisions about their future care at an earlier stage and to offer possible opportunities for treatment.⁵ Considerable interest has also been shown about improving care for people with established dementia—for example, using the person centred approach advocated by Kitwood.⁶ Effective liaison services at the interface between old age psychiatry and old age medicine lead to workable models, with some early indications of good efficacy.⁷

What interventions are effective?

Several interventions have been described in randomised controlled trials to assess particular interventions in older people with mental health problems. The prevalence of psychiatric morbidity in medical inpatients is high, and the negative effect of depression and cognitive impairment on rehabilitation is well recognised. A randomised controlled trial of a psychiatric liaison intervention for medical inpatients aged over 75, showed that those in the intervention group had improved physical function, fewer readmissions to hospital or nursing home, and a shorter length of stay. A similar intervention was shown to be effective in frail, older people living at home.

Older people in nursing and residential homes commonly have agitation and challenging behaviours, and behavioural management of these individuals, without using drugs, has beneficial effects on their mental state and on staff morale. When older people in nursing and residential homes are prescribed drugs to control these behaviours a review by a multidisciplinary team, including a pharmacist, can be successful in reducing the number of medicines prescribed—to the benefit of the resident.

Several randomised controlled trials have shown that cholinesterase inhibitors produce significant effects on cognitive and global function. ^{13–15} These effects seem to be clinically important outside the clinical trial situation, ¹⁶ and last for at least 18 months. ¹⁷ Treatment of depression with antidepressants is effective, ¹⁸ not just in the community but also in medical inpatients, ¹⁹ though antidepressants probably need to be continued for two years or more in cases of major depression. ²⁰

Evidence based reviews examining the effectiveness of interventions for dementia in particular^{21 22} and old age psychiatry services in general²³ are available. In general, the evidence for many interventions is patchy, and good data from randomised controlled trials is often lacking, but positive evidence exists for the effectiveness of several areas of work, such as psychogeriatric inpatient units, consultation liaison interventions, and outreach visits to nursing homes.²³

How to increase recognition and treatment of mental health disorders

Ample evidence exists that depression is underrecognised in primary and secondary care and is undertreated when recognised.²⁴⁻²⁶ One answer lies in the systematic use of valid, reliable, and user-friendly screening instruments to detect the common mental health disorders of old age, such as depression and dementia; they can be used successfully and effectively in primary care.²⁷ Although a plethora of scales are



available, training for primary care staff is possible if the appropriate assessment scale is identified and used.²⁸ Good evidence exists that general practitioners should perform cognitive testing as an aid to the diagnosis of dementia.²⁹ Similarly, screening for depression in settings where it is common, such as general hospital wards and nursing and residential homes, is worthwhile.²⁶ The choice of assessment scale should be determined by local agreement and protocols.

Mood disorders constitute the commonest group of mental health difficulties in later life. Antidepressants are as effective in older people as in younger people, 30 although more efficacy data are needed for very old and very frail people. 31 Psychological therapies are not used as much as they should be; evidence suggests they are as effective in older people as they are in younger people. 32 The reasons for this underuse are unclear but, regrettably, suggest ageism.

The introduction of clinical guidelines into old age psychiatry is welcomed. A review has reported some 125 guidelines, which cover all aspects of old age psychiatry.³³ They cover all aspects of the assessment, diagnosis, and management of dementia^{34–36}; management of depression³⁷; and the diagnosis of schizophrenia in later life.³⁸ Old age psychiatrists should take a lead in ensuring that guidelines are appropriate to local needs and conditions.

In future, services will need to find innovative ways of providing more help to high risk groups—for example, people with depression in care homes—or those who are less able to use existing services, such as older people from ethnic minority communities.³⁹

Needs of carers

The needs of carers have been well described, particularly in terms of the stress and strain resulting from

caring for a person with dementia.40 Factors predicting stress and strain have been documented and provide information for setting up intervention studies to examine those carers in most need.41 Studies support the view that these interventions are effective in terms of individual benefit for carers and their economic worth. 42-44 The Audit Commission reported that carers were invariably experiencing stress by the time they asked for help and that information about mental health problems and knowledge of services-in particular respite and home care-were instrumental in enabling relatives to carry on caring for an older person at home.2

Carers have an important role in advising on service development and in evaluating services.⁴⁵ The UK government has also recognised the essential contribution of carers. The Carers Act of 1999 is intended to ensure that carers receive better information and are consulted about services and that local authorities receive grants for carers to take breaks from their care duties.

Conclusions

Services for older people with mental health problems need adequate funding, a multidisciplinary approach to assessment and to the management and integration of services—notably between health and social services. The services have received more careful evaluation in recent years. Several studies have shown that mental health care and treatment for older people can be effective, and several randomised controlled trials have provided supportive evidence. The use of standardised screening instruments should be encouraged in primary care and targeted in secondary care; there are diagnostic and management guidelines, both for detection and management, for the most common mental health disorders in later life.

Funding: No special funding.

Competing interests: AB has received consultancy fees and educational grants from companies involved in the manufacture and distribution of drugs for treatment of dementia, depression, and schizophrenia in older people. TD is a senior professional adviser to the Department of Health in London, but his contribution is in a personal not official capacity. RB has received funding for research into ageing and received a fee for speaking about the national service framework at a Psynergy Dublin conference.

- 1 Bosenquet N, May J, Johnson N. Alzheimer's disease in the UK: burden of disease and future care. London: Imperial College of Science and Technology,
- 1998. (Health policy review No 12.)

 Audit Commission. Forget me not: mental health services for older people. London: AC, 2000.
- LoGiudice D, Waltrowicz W, Brown K, Burrows C, Ames D, Flicker L. Do memory clinics improve the quality of life of carers? Int J Geriatric Psychiatry, 1999;14:626-33.
- Van Creval H, Gool WA, Walstra GJM. Early diagnosis of dementia: Which tests are indicated? What are their costs? I Gerontol 1999;246:73-8. Pinner G. Truth-telling and the diagnosis of dementia. Br J Psychiatry
- 2000:176:514-5 Kitwood T. Dementia reconsidered: the person comes first. Buckingham: Open
- University Press, 1997.
- Collinson Y, Benbow S. The role of an old age psychiatry consultation liaison nurse. *Int J Geriatric Psychiatry* 1998;13:159-63.
- Mutran E, Reitzez D, Mossey J, Fernandez M. Social support, depression, and recovery of walking ability after hip fracture surgery. *J Gerontol*
- Slaets J, Kauffmann R, Cuivenvoorden H, Pelemans W, Shudel W. A randomised trial of geriatric liaison intervention in elderly medical inpatients. *Psychosom Med* 1997;59:585-91.
- 10 Banerjee S, Shamash K, Macdonald AJ, Mann AH. A randomised controlled trial of the effect of intervention by a psychogeriatric team on depression of frail, elderly people at home. *BMJ* 1996;313:1058-61. 11 Proctor R, Burns A, Stratton Powell H, Tarrier N, Faragher B, Richardson
- G, et al. Behavioural management in nursing and residential homes: a randomised controlled trial. *Lancet* 1999;354:26-9.

- 12 Furniss L, Burns A, Cook J, Craig SCL, Scobie S, Cooke J, et al. Effects of a pharmacist's medication review in nursing homes. Br J Psychiatry 2000:176:563-7.
- 13 Burns A, Rossor M, Hecker J, Gauthier S, Petit H, Moller H-J, et al. The effects of donepezil in Alzheimer's disease: results from a multinational trial. Dement Geriatr Cogn Disord 1999;10:237-44.
- 14 Rösler M, Anand R, Cicin-Sain A, Gauthier S, Agid Y, Dal-Bianco P, et al. Efficacy and safety of rivastigmine in patients with Alzheimer's disease: international randomised controlled trial. BMJ 1999;318:633-40.
- 15 Wilcock G, Lilienfeld S, Gaens E. Efficacy and safety of galantamine in patients with mild to moderate Alzheimer's disease: multicentre randomised controlled trial. BMJ 2000;321:1445-9.
- 16 Greenberg SM, Tennis MK, Brown LB, Gomez-Isla T, Hayden DL, Schoenfeld DA, et al. Donepezil in clinical practice: a randomized cross-over study. Arch Neurol 2000;57:94-9.
- 17 Matthews HP, Korbey J, Wilkinson DG, Rowden J. Donepezil in Alzheimer's disease: eighteen month results from the Southamptom memory clinic. Int J Geriatric Psychiatry 2000;15:713-20.
- 18 NIH Consensus Development Panel on Depression in Late Life. Diagno-
- sis and treatment of depression in late life. JAMA 1992;268:1018-24.

 19 Evans M, Hammond M, Wilson K, Lye M, Copeland J. Placebo-controlled treatment trial of depression in elderly physically ill patients. Int J Geria ric Psychiatry 1997;12:817-24.
- 20 Old Age Depression Interest Group. How long should the elderly take antidepressants? A double-blind placebo-controlled study of continuation
- prophylaxis therapy with dothiepin. Br J Psychiatry 1993; 162:175-82.
 21 Palmer C. Evidence-based briefing: dementia. London: Gaskell, 1999.
 22 Melzer D, Pearce K, Cooper B, Brayne C. Alzheimer's disease and other dementias. In: Steven A, Raftery J, Many J, eds. Health care needs assessment: the epidemiologially based needs assessment reviews. Revised ed. Abingdon: Radcliffe Medical Press (in press).
- 23 Draper B. The effectiveness of old age psychiatry services. Int J Geriatric Psychiatry 2000;15:687-703.
- 24 Crawford M, Prince M, Menezes P, Mann AH. The recognition and treatment of depression in older people in primary care. Int J Geriatric Psychiatry 1998:13:172-6.
- 25 Iliffe S, Haines A, Gallivan S, Booroff A, Goldenberg E, Morgan P. Assess ment of elderly people in general practice. Br J Gen Pract 1991;41(342):
- 26 Jackson RJ, Baldwin RC. Detecting depression in elderly medically-ill patients: the use of the geriatric depression scale compared with medical
- and nursing observations. *Age Ageing* 1993;22:349-53.
 27 Arthur A, Jagger C, Lindesay J, Graham C, Clarke M. Using an annual over-75 health check to screen for depression. Int J Geriatric Psychiatry 1999:14:431-40.
- 28 Burns A, Lawlor B, Craig S. Assessment scales in old age psychiatry. London: Martin Dunitz, 1999.
- 29 Eccles M, Livingston M, Freemantle N, James Mason, for the North of England Evidence Based Dementia Guideline Development Group. North of England evidence based guidelines development project guidelines for the primary care management of dementia. BMJ 1998;317:802-8.
- 30 Baldwin RC. The prognosis and outcome of depression in later life In: Howard R, Holmes C, eds. Advances in old age psychiatry: chromosomes to community care. Petersfield: Wrightson Biomedical Press, 1997:194-224.
- Anstey K, Brodaty H. Antidepressants and the elderly: double-blind trials
- 1987-1992. Int J Geriatric Psychiatry 1995;10:265-79.
 32 Koder D-A, Brodaty H, Anstey KJ. Cognitive therapy for depression in the elderly Int J Geriatric Psychiatry 1996;11:97-107.
- 33 Burns A, Dening T, Lawlor B. Clinical guidelines in old age psychiatry. London: Martin Dunitz. 2001.
- 34 Small GW, Rabins PV, Barry PP, Buckholtz NS, DeKoskly S, Ferris SH, et al. Diagnosis and treatment of Alzheimer's disease and related disorders. Consensus statement of the American Association for Geriatric Psychiatry the Alzheimer's Association and the American Geriatrics Society. JAMA 1997;27:1363-71.
- 35 Lovestone S, Graham N, Howard R. Guidelines for drug treatments for Alzheimer's disease. *Lancet* 1997;350:232-3.
- 36 Scottish Intercollegiate Guidelines Network. Intervention in the ma ment of behavioural and psychological aspects of dementia. Edinburgh: SIGN,
- 37 Lebowitz B, Pearson JL, Schneider LS, Reynolds CF, Alexopoulos GS, Bruce ML, et al. Diagnosis and treatment of depression in late life. JAMA 1997;278:1186-90.
- 38 Howard R, Rabins P, Seeman M, Jeste D. Late onset schizophrenia and very late onset schizophrenia like psychosis—an international consensus Am J Psychiatry 2000;157:172-8.
- 39 Lindesay J, Jagger C, Mlynik-Szmid A, Sinorwala A, Peet S, Moledina FI. The mini-mental state examination (MMSE) in an elderly immigrant Gujarati population in the United Kingdom. *Int J Geriatric Psychiatry* 1997;12:1155-67.
- Donaldson C, Tarrier N, Burns A. The impact of the symptoms of dementia on caregivers. Br J Psychiatry 1997;170:62-8.
 Donaldson C, Tarrier N, Burns A. Determinants of carer stress in
- Alzheimer's disease. Int J Geriatrie Psychiatry 1998;13:248-56.

 42 Brodaty H, Gresham M. Effect of a training programme to reduce stress in carers of patients with dementia. BMJ 1989;299:1375-9.
- 43 Mittelman M, Ferris S, Steinberg G, Schulman E, Mackell J, Ambinder A, et al. An intervention that delays institutionalization of Alzheimer's disease patients: treatment of spouse-caregivers. Gerontologist 1993;33:730-40.
- 44 Marriott A, Donaldson C, Tarrier N, Burns A. Effectiveness of cognitive-behavioural family intervention in reducing the burden of care in carers of patients with Alzheimer's disease. Br J Psychiatry 2000;176: 557-62.
- 45 Dening TR, Lawton CA. The role of carers in evaluating mental health services for older people. Int I Geriatric Psychiatry 1998:13:863-70.