

Review

Open Access

Reducing stigma and discrimination: Candidate interventions

Graham Thornicroft*, Elaine Brohan, Aliya Kassam and Elanor Lewis-Holmes

Address: Health Service and Population Research Department, Institute of Psychiatry, King's College London, De Crespigny Park, London, UK

Email: Graham Thornicroft* - Graham.Thornicroft@iop.kcl.ac.uk; Elaine Brohan - elaine.brohan@iop.kcl.ac.uk;

Aliya Kassam - aliya.kassam@iop.kcl.ac.uk; Elanor Lewis-Holmes - elanor.lewis-holmes@iop.kcl.ac.uk

* Corresponding author

Published: 13 April 2008

Received: 28 June 2007

International Journal of Mental Health Systems 2008, 2:3 doi:10.1186/1752-4458-2-3

Accepted: 13 April 2008

This article is available from: <http://www.ijmhs.com/content/2/1/3>

© 2008 Thornicroft et al; licensee BioMed Central Ltd.

This is an Open Access article distributed under the terms of the Creative Commons Attribution License (<http://creativecommons.org/licenses/by/2.0>), which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.

Abstract

This paper proposes that stigma in relation to people with mental illness can be understood as a combination of problems of knowledge (ignorance), attitudes (prejudice) and behaviour (discrimination). From a literature review, a series of candidate interventions are identified which may be effective in reducing stigmatisation and discrimination at the following levels: individuals with mental illness and their family members; the workplace; and local, national and international. The strongest evidence for effective interventions at present is for (i) direct social contact with people with mental illness at the individual level, and (ii) social marketing at the population level.

Introduction

Widespread discrimination adds to the disability of people with mental illness [1-4]. The basic problem is this: many people with mental illness are subjected to systematic disadvantages in most areas of their lives [5,6]. These forms of social exclusion occur at home, at work, in personal life, in social activities, in healthcare and in the media [7,8].

From stigma to ignorance, prejudice and discrimination

What is stigma? The concept of stigma is necessary to develop an understanding of experiences of social exclusion, but it is not sufficient to grasp the whole picture, nor to identify what practical steps need to be taken to promote social inclusion. Stigma consists of three related problems:

- The problem of knowledge: *Ignorance*
- The problem of attitudes: *Prejudice*

- The problem of behaviour: *Discrimination*

Ignorance

At a time when there is an unprecedented volume of information in the public domain, the level of accurate knowledge about mental illnesses (sometimes called 'mental health literacy') is meagre [9]. A population survey in England, for example, found that most people (55%) believe that the statement 'someone who cannot be held responsible for his or her own actions' describes a person who is mentally ill [10]. Most (63%) thought that fewer than 10% of the population would experience a mental illness at some time in their lives. This ignorance needs to be redressed by conveying more factual knowledge to the general public and also to specific groups such as teenagers, including useful information such as how to recognise the features of mental illness and where to get help [11].

Prejudice

Fear, anxiety and avoidance are common feelings both for people who do not have mental illness (when reacting to

those who have) and for people with mental illness who anticipate rejection and discrimination and therefore impose upon themselves a form of 'self-stigma' [4]. Although the term 'prejudice' is used to refer to many social groups that experience disadvantage, for example minority ethnic groups, it is employed rarely in relation to people with mental illness. The reactions of a host majority to act with prejudice in rejecting a minority group usually involve not just negative thoughts but also emotions such as anxiety, anger, resentment, hostility, distaste or disgust. Prejudice may more strongly predict discrimination than do stereotypes. A recent study of terms used for mental illness by 14 year old school students in England, for example, found that they used 250 words and phrases, none of which are positive [12].

Discrimination

The scientific evidence and the strong message from service users and their advocates indicate that discrimination blights the lives of many people with mental illness, making marriage, childcare, work and a normal social life much more difficult. Actions are needed to specifically redress the social exclusion of people with mental illness and to use the legal measures intended to support all disabled people for physical and mental disabilities on the basis of parity [13]. The evidence from scientific enquiry and consultation with service users is unequivocal: discrimination means that it is harder for people with a mental illness to marry, have children, work or have a social life. This crippling social exclusion needs to be actively addressed. Laws already exist to ensure equality for all people with disabilities.

Action to support people with mental illness

Empowerment has been described as the opposite of self-stigmatisation [14]. Policy makers can provide specific financial support for ways in which individuals with mental illness can empower themselves or be empowered. Such specific support might include:

- Promoting participation in formulating care plans and crisis plans for people with mental illness.
- Providing cognitive-behavioural therapy for people with mental illness to reverse negative self-stigma.
- Running regular assessments of consumer satisfaction with services.
- Creating user-led and user-run services.
- Developing peer-support worker roles in mainstream mental health care.

- Encouraging employers to give positive credit for experience of mental illness

- Enabling people with mental illness to take part in treatment and service evaluation and research.

Action to support people with mental illness at work

For some people with mental illness, allowance needs to be made at work for their personal requirements. In parallel with the modifications made for people with physical disabilities, people with mental illness-related disabilities may need what are called 'reasonable adjustments' in relation to the anti-discrimination laws. In practice this can include the following measures:

- Having a quieter work place with fewer distractions for people with concentration problems, rather than, for example, a noisy open plan office, as well as a rest area for breaks.

- Giving more or more frequent supervision than usual to give feedback and guidance on job performance.

- Allowing a person to use headphones to block out distracting noise.

- Creating flexibility in work hours so that they can attend their healthcare appointments or work when not impaired by medication.

- Funding an external job coach for counselling and support and to mediate between employee and employer.

- Providing a buddy/mentor scheme to provide on-site orientation and assistance.

- Writing clear personal specifications, job descriptions and task assignments to assist people who find ambiguity or uncertainty hard to cope with.

- Making contract modifications to specifically allow whatever sickness leave is required by people likely to become unwell for prolonged periods.

- Providing a more gradual induction phase, for example with more time to complete tasks, for those who return to work after a prolonged absence or who may have some cognitive impairment.

- Improving disability awareness in the workplace to reduce stigma and to underpin all other accommodations.

- Reallocating marginal job functions that are disturbing to an individual.

- Allowing use of accrued paid and unpaid leave for periods of illness.

Further, community bodies need to act to promote the social inclusion of people with mental illness. The following initiatives would address discrimination in the workplace and misinformation about mental health issues:

- Employers' federations need to inform employers of their legal obligations under existing disability laws regarding people with mental illness.
- Employers in the health and social care sector, when recruiting, need to make explicit that a history of mental illness is a valuable attribute for many roles.
- Mental health services need to work with employers and business confederations to ensure that reasonable accommodations and adjustments in the workplace are made for people with mental illness.
- The education, health and police authorities need to provide well evaluated interventions to increase integration with, and understanding of, people with mental illness to targeted groups such as schoolchildren, police and healthcare staff.
- Professional training and accreditation organisations need to ensure that mental health practitioners are fully aware of the actual recovery rates for mental illnesses.

Actions needed at the local level

In local communities or health and social care economies initiatives are needed to promote social inclusion of people with mental illness. These are outlined in Table 1.

Actions needed at the national level

In national policy a series of changes is necessary that spans government ministries, the non-government and independent sector and service user and professional groups. This is a vision of a long-term attack upon individual and systemic/structural discrimination [6] through a co-ordinated, multi-sectoral programme of action to promote the social inclusion of people with mental illness. Further social marketing approaches, the adaptation of advertising methods for a social good rather than for the consumptions of a commodity, are increasingly often being used [15-17].

In terms of change needed in mental health systems, several elements are necessary. An example is the development of psychological services designed to support people in or seeking work. Many people with mental illness experience demoralisation, reduced self-esteem, loss of confidence, and sometimes depression [18-22]. It is therefore likely that support programmes assisting people with mental illness to gain employment will need to assess whether structured psychological treatment is also needed [23-25]. Second, mental health staff may increasingly see the need to widen their remit from direct treatment provision to also intervening for local populations. Mental health awareness campaigns toward local programmes can be targeted to specific groups [26-28]. In the anti-stigma network of the World Psychiatric Association (called 'Open the Doors'), for example, such interventions have most often been applied to medical staff, journalists, school children, police, employers and church leaders [29-33].

Another key target group is healthcare professionals. Consumers surprisingly often relate that their experiences of general healthcare and mental healthcare staff reveal levels of ignorance, prejudice and discrimination that they

Table 1: Actions at local level

Action	By
<ul style="list-style-type: none"> • Introduction supported work schemes • Psychological treatments to improve cognition, self-esteem and confidence • Health and social care explicitly give credit to applicants with a history of mental illness when hiring staff • Provision of reasonable adjustments/accommodations at work • Inform employers of their legal obligations under disability laws • Deliver and evaluate the widespread implementation of targeted interventions with targeted groups, including school children, police and healthcare staff • Provide accurate data on mental illness recovery rates to mental health practitioners • Implementation of measures to support care plans negotiated between staff and consumers 	<ul style="list-style-type: none"> • Mental health services with specialist independent sector provider • Mental health and general health service • Health and social care agencies • Mental health providers engaging with employers and business confederation • Employers' confederation • Education, police and health commissioning and provider authorities • Professional training and accreditation organisations • Mental health provider organisations and consumer groups

find deeply distressing. This has been confirmed by studies in Australia, Brazil, Canada, Croatia, England, Malaysia, Spain and Turkey [34-42]. Based on the principle 'catch them young', several programmes have given anti-stigma interventions to medical students [39,43-46]. As is usual in the field of stigma and discrimination, there is more research describing stigma than assessing which interventions are effective. In Japan, one study found that the traditional medical curriculum led to mixed results: students became more accepting of mentally ill people and mental health services, and more optimistic about the outlook with treatment, but there was no impact on their views about how far people with mental illness should have their human rights fully observed [47]. Positive changes in all of these domains were achieved with a one-hour supplementary educational programme [48].

Interestingly, it seems that psychiatrists may not be in the best position to lead such educational programmes. Studies in Switzerland found no overall differences between the general public and psychiatrists in terms of social distance to mentally ill people [49]. Psychiatry itself tries to walk the narrow tightrope between the physical/pharmacological and psychological/social poles [50]. Clinicians who keep contact with people who are unwell, and who selectively stop seeing people who have recovered, may therefore develop a pessimistic view of the outlook for people with mental illnesses [51]. On balance, there is mixed evidence about whether psychiatrists can be seen as stigmatisers or destigmatisers [52]. Mental health nurses have also been found to have both more and less favourable views about people with mental illness than the general public [36]. Interestingly, nurses, like the general population, tend to be more favourable if they have a friend who is mentally ill, i.e. if there is a perceived similarity and equality with the person affected [53].

What, then, should mental health staff do? Direct involvement in the media is a vital route that professionals can use more often, with proper preparation and training. They also need to set their own house in order by promoting information within their training curricula, continuing professional development (continuing medical education) and relicensing/revalidation procedures which ensures that they have accurate information, for example, on recovery [54].

Further, practitioners need in future to pay greater attention to what consumers and family members say about their experiences of discrimination, for example in relation to work or housing. Staff can also work directly with consumers to combat social exclusion, for example by opposing repressive or regressive mental health laws [55]. Third, it is clear that consumer groups increasingly seek to change to the terms of engagement between mental

health professionals and consumers, and to move from paternalism to negotiation [14]. Vehicles to support shared decision-making include: crisis plans [56] which seem able to reduce the frequency of compulsory treatment [57], advance directives [58], shared care agreements [59] and consumer-held records [60]. The key fact is that many consumers want direct participation in their own care plans [61].

Going into the public advocacy domain, staff in mental health systems may well develop in future a direct campaigning role. A practical approach is for local and national agencies to set aside their differences and to find common cause. In various areas, such co-ordinating groups are called forums, peak bodies, alliances or consortia. What they have in common is a recognition that what they can achieve together, in political terms, is greater than their individual impact. Core issues able to unite such coalitions are likely to include parity in funding, the use of disability discrimination laws for people with mental illness-related disabilities, and the recognition of international human rights conventions in practice [62-65]. The actions needed at a national level are summarised in Table 2.

Action at the international level

What action is necessary at the international level? Such contributions, so far removed from the everyday lives of people, may be hardly noticeable unless they are very sharply focussed and coherent. Setting international standards for national policies could be one useful intervention. For example the World Health Organisation (WHO) has published standards to guide countries in producing and revising mental health laws [66]. The standards cover advice on:

- access to care
- confidentiality
- assessments of competence and capacity
- involuntary treatment
- consent
- physical treatments
- seclusion
- restraint
- privacy of communications
- appeals against detention

Table 2: Actions at national level

Action	By
<ul style="list-style-type: none"> • Use a social model of disability that refers to human rights, social inclusion and citizenship • Apply the anti-discrimination laws to give parity to people with physical and mental disabilities • Inform all employers of their legal obligations under these laws • Interpret anti-discrimination laws in relation to mental illness • Establish service user speakers' bureaux to offer content to news stories and features on mental illness • Provide and evaluate media watch response units to press for balanced coverage • Share between countries the experience of disability discrimination acts • Understand and implement international legal obligations under binding declarations and covenants • Audit compliance with codes of good practice in providing insurance • Providing economic incentives rather than disincentives to disabled people ready to return to work • Change laws to allow people with a history of mental illness to serve on juries with a presumption of competence 	<ul style="list-style-type: none"> • Governments and non governmental organisations (NGOs) to change core concepts • Parliament and government • Ministry of Employment or equivalent • Judiciary and legal profession • NGOs and other national level service user groups • Statutory funding for NGOs to provide media watch teams • Legislators, lawyers, advocates and consumer groups • NGOs to communicate legal obligations of all stakeholders and health and social care inspection agencies to audit how far these obligations are respected in practice • Associations of Insurers with Service User organisations and mental health NGOs • Employment Ministries to introduce new and flexible arrangements for disabled people to work with no risk to their income • Justice ministries to amend the laws relating to jury service

- review procedures for compulsory detention [66]

At present, 25% of countries worldwide do not have mental health legislation and half of those that do enacted their laws over 15 years ago. Generally, lower income countries are more likely to have older legislation [67].

In the European Union, for example, anti discrimination laws are now mandatory under the Article 13 Directive [68]. Such laws must make illegal all discrimination in the workplace on grounds that include disability, and also set up institutions to enforce these laws. The time is therefore right to share experiences between different countries on how successful such laws have been to reduce discrimination against people with mental illness and to understand more clearly what is required both for new legislation elsewhere and for amendments to existing laws that fall short of their original intentions.

International organisations such as the WHO can also contribute towards better care and less discrimination by indicating the need for national mental health policies and by giving guidance on their content. In 2005, for example, only 62% of countries in the world had a mental health policy [67]. In Europe, health ministers have signed a Mental Health Declaration and Action Plan which sets the following priorities:

- foster awareness of mental illness
- tackle stigma, discrimination and inequality

- provide comprehensive, integrated care systems

- support a competent, effective workforce

- recognise the experience and knowledge of services users and carers [65,69,70].

Conclusion

The strongest evidence at present for active ingredients to reduce stigma pertains to direct social contact with people with mental illness, which has been shown to be effective in relation to police officers, school students, journalists and the clergy [33,71-73]. At the national level, there is emerging evidence that a carefully co-ordinated approach based on using social marketing techniques, namely advertising and promotional methods designed to achieve a social good rather than sales of a commodity, have produced benefits in Australia, New Zealand and Scotland [16,17,74]. The challenge in the coming years will be to identify which interventions (whether directed towards knowledge, attitudes or behaviour) are most cost-effective in reducing the social exclusion of people with mental illness.

Acknowledgements

This study was funded in relation to an National Institute for Health Research (NIHR) Applied Programme grant awarded to the South London and Maudsley NHS Foundation Trust (AK and EB), and in relation to the NIHR Specialist Mental Health Biomedical Research Centre at the Institute of Psychiatry, King's College London and the South London and Maudsley NHS Foundation Trust (GT).

References

- Thornicroft G: *Shunned: Discrimination against People with Mental Illness* Oxford, Oxford University Press; 2006.
- Hinshaw SP, Cicchetti D: **Stigma and mental disorder: conceptions of illness, public attitudes, personal disclosure, and social policy.** *Dev Psychopathol* 2000, **12**:555-598.
- Hinshaw SP, Cicchetti D, S.L T: *The Mark of Shame: Stigma of Mental Illness and an Agenda for Change* New York, Oxford University Press; 2007.
- Link BG, Yang LH, Phelan JC, Collins PY: **Measuring mental illness stigma.** *Schizophr Bull* 2004, **30**:511-541.
- Corrigan P: *On the Stigma of Mental Illness* Washington, D.C., American Psychological Association; 2005.
- Corrigan PW, Markowitz FE, Watson AC: **Structural levels of mental illness stigma and discrimination.** *Schizophr Bull* 2004, **30**:481-491.
- Wahl OF: *Media Madness: Public Images of Mental Illness* New Brunswick, New Jersey, Rutgers University Press; 1995.
- Link BG, Struening EL, Neese-Todd S, Asmussen S, Phelan JC: **On describing and seeking to change the experience of stigma.** *Psychiatric Rehabilitation Skills* 2002, **6**:201-231.
- Crisp A, Gelder MG, Goddard E, Meltzer H: **Stigmatization of people with mental illnesses: a follow-up study within the Changing Minds campaign of the Royal College of Psychiatrists.** *World Psychiatry* 2005, **4**:106-113.
- Health D: *Attitudes to Mental Illness 2003 Report* London, Department of Health; 2003.
- Wright A, McGorry PD, Harris MG, Jorm AF, Pennell K: **Development and evaluation of a youth mental health community awareness campaign - The Compass Strategy.** *BMC Public Health* 2006, **6**:215.
- Rose D, G T, Pinfold V, Kassam A: **250 labels used to stigmatise people with mental illness.** *BMC Health Services Research* 2007, **In press**.
- Peterson D, Pere L, Sheehan N, Surgenor G: **Experiences of mental health discrimination in New Zealand.** *Health Soc Care Community* 2007, **15**:18-25.
- Chamberlin J: **User/consumer involvement in mental health service delivery.** *Epidemiologica e Psichiatria Sociale* 2005, **14**(1):10-14.
- Sullivan M, Hamilton T, Allen H: **Changing stigma through the media.** *On the Stigma of Mental Illness. Practical Strategies for Research and Social Change* 2005:297-312.
- Vaughn G: **Like Minds, Like Mine.** In *Mental Health Promotion: Case Studies from Countries* Edited by: Saxena S and Garrison P. Geneva, World Health Organisation; 2004:62-66.
- Dunion L, Gordon L: **Tackling the attitude problem. The achievements to date of Scotland's 'see me' anti-stigma campaign.** *Ment Health Today* 2005:22-25.
- Camp DL, Finlay WM, Lyons E: **Is low self-esteem an inevitable consequence of stigma? An example from women with chronic mental health problems.** *Soc Sci Med* 2002, **55**:823-834.
- Hayward P, Wong G, Bright JA, Lam D: **Stigma and self-esteem in manic depression: an exploratory study.** *J Affect Disord* 2002, **69**:61-67.
- Link BG, Struening EL, Neese-Todd S, Asmussen S, Phelan JC: **Stigma as a barrier to recovery: The consequences of stigma for the self-esteem of people with mental illnesses.** *Psychiatr Serv* 2001, **52**:1621-1626.
- Wright ER, Gronfein WP, Owens TJ: **Deinstitutionalization, social rejection, and the self-esteem of former mental patients.** *J Health Soc Behav* 2000, **41**:68-90.
- Crocker J, Quinn DM: **Social stigma and the self: meanings, situations, and self-esteem.** In *The Social Psychology of Stigma* Edited by: T.F. H, Kleck RE, Hebl MR and J.G. H. New York, Guilford; 2000:153-183.
- Proudfoot J, Gray J, Carson J, Guest D, Dunn G: **Psychological training improves mental health and job-finding among unemployed people.** *Int Arch Occup Environ Health* 1999, **72 Suppl**:S40-S42.
- Brown JS, Elliott SA, Boardman J, Ferns J, Morrison J: **Meeting the unmet need for depression services with psycho-educational self-confidence workshops: preliminary report.** *Br J Psychiatry* 2004, **185**:511-515.
- Hall PL, Tarrrier N: **The cognitive-behavioural treatment of low self-esteem in psychotic patients: a pilot study.** *Behav Res Ther* 2003, **41**:317-332.
- Corrigan PW: **Target-specific stigma change: a strategy for impacting mental illness stigma.** *Psychiatr Rehabil J* 2004, **28**:113-121.
- Estroff SE, Penn DL, Toporek JR: **From stigma to discrimination: an analysis of community efforts to reduce the negative consequences of having a psychiatric disorder and label.** *Schizophr Bull* 2004, **30**:493-509.
- Holmes EP, Corrigan PW, Williams P, Canar J, Kubiak MA: **Changing attitudes about schizophrenia.** *Schizophr Bull* 1999, **25**:447-456.
- Gaebel W, Baumann AE: **["Open the doors"--the antistigma program of the World Psychiatric Association].** *MMW Fortschr Med* 2003, **145**:34-37.
- Pickenhagen A, Sartorius N: *The WPA Global Programme to Reduce Stigma and Discrimination because of Schizophrenia* Geneva, World Psychiatric Association; 2002.
- Thompson AH, Stuart H, Bland RC, Arboleda-Florez J, Warner R, Dickson RA: **Attitudes about schizophrenia from the pilot site of the WPA worldwide campaign against the stigma of schizophrenia.** *Soc Psychiatry Psychiatr Epidemiol* 2002, **37**:475-482.
- Warner R: **Local projects of the world psychiatric association programme to reduce stigma and discrimination.** *Psychiatr Serv* 2005, **56**:570-575.
- Sartorius N, Schulze H: *Reducing the Stigma of Mental Illness. A Report from a Global Programme of the World Psychiatric Association* Cambridge, Cambridge University Press; 2005.
- Lawrie SM, Martin K, McNeill G, Drife J, Chrystie P, Reid A, Wu P, Nammery S, Ball J: **General practitioners' attitudes to psychiatric and medical illness.** *Psychol Med* 1998, **28**:1463-1467.
- Caldwell TM, Jorm AF: **Mental health nurses' beliefs about interventions for schizophrenia and depression: a comparison with psychiatrists and the public.** *Aust N Z J Psychiatry* 2000, **34**:602-611.
- Caldwell TM, Jorm AF: **Mental health nurses' beliefs about likely outcomes for people with schizophrenia or depression: a comparison with the public and other healthcare professionals.** *Aust N Z J Ment Health Nurs* 2001, **10**:42-54.
- Filipic I, Pavicic D, Filipic A, Hotujac L, Begic D, Grubisin J, Dordevic V: **Attitudes of medical staff towards the psychiatric label "schizophrenic patient" tested by an anti-stigma questionnaire.** *Coll Antropol* 2003, **27**:301-307.
- Mas A, Hatim A: **Stigma in mental illness: attitudes of medical students towards mental illness.** *Med J Malaysia* 2002, **57**:433-444.
- Mukherjee R, Fialho A, Wijetunge A, Chęcinski K, Surgenor T: **The stigmatisation of psychiatric illness: The attitudes of medical students and doctors in a London teaching hospital.** *Psychiatr Bull* 2002, **26**:178-181.
- Rodrigues CR: **[Comparison of the attitudes of Brazilian and Spanish medical students towards mental disease].** *Actas Luso Esp Neurol Psiquiatr Cienc Afines* 1992, **20**:30-41.
- Roth D, Antony MM, Kerr KL, Downie F: **Attitudes toward mental illness in medical students: does personal and professional experience with mental illness make a difference?** *Med Educ* 2000, **34**:234-236.
- White R: **Stigmatisation of mentally ill medical students.** In *Every Family in the Land* Edited by: Crisp A. London, Royal Society of Medicine; 2004:365-366.
- Hasui C, Sakamoto S, Suguira B, Kitamura T: **Stigmatization of mental illness in Japan: Images and frequency of encounters with diagnostic categories of mental illness among medical and non-medical university students.** *Journal of Psychiatry & Law* 2000, **28**:253-266.
- Arkar H, Eker D: **Influence of a 3-week psychiatric training programme on attitudes toward mental illness in medical students.** *Soc Psychiatry Psychiatr Epidemiol* 1997, **32**:171-176.
- Chew-Graham CA, Rogers A, Yassin N: **'I wouldn't want it on my CV or their records': medical students' experiences of help-seeking for mental health problems.** *Med Educ* 2003, **37**:873-880.
- Lethem R: **Mental illness in medical students and doctors: fitness to practice.** In *Every Family in the Land* Edited by: Crisp A. London, Royal Society of Medicine; 2004:356-364.

47. Mino Y, Yasuda N, Kanazawa S, Inoue S: **Effects of medical education on attitudes towards mental illness among medical students: a five-year follow-up study.** *Acta Med Okayama* 2000, **54**:127-132.
48. Mino Y, Yasuda N, Tsuda T, Shimodera S: **Effects of a one-hour educational program on medical students' attitudes to mental illness.** *Psychiatry Clin Neurosci* 2001, **55**:501-7.
49. Lauber C, Anthony M, Jdacic-Gross V, Rossler W: **What about psychiatrists' attitude to mentally ill people?** *Eur Psychiatry* 2004, **19**:423-427.
50. Luhmann TM: *Of Two Minds* New York, Vintage Books; 2000.
51. Burti L, Mosher LR: **Attitudes, values and beliefs of mental health workers.** *Epidemiol Psichiatr Soc* 2003, **12**:227-231.
52. Schlosberg A: **Psychiatric stigma and mental health professionals (stigmatizers and destigmatizers).** *Med Law* 1993, **12**:409-416.
53. Sadow D, Ryder M, Webster D: **Is education of health professionals encouraging stigma towards the mentally ill?** *Journal of Mental Health* 2002, **11**:657-665.
54. Crisp A: *Every Family in the Land: Understanding Prejudice and Discrimination Against People with Mental Illness* London, Royal Society of Medicine Press; 2004.
55. Sartorius N: **Stigma: what can psychiatrists do about it?** *Lancet* 1998, **352**:1058-1059.
56. Sutherby K, Szmukler GI, Halpern A, Alexander M, Thornicroft G, Johnson C, Wright S: **A study of 'crisis cards' in a community psychiatric service.** *Acta Psychiatr Scand* 1999, **100**:56-61.
57. Henderson C, Flood C, Leese M, Thornicroft G, Sutherby K, Szmukler G: **Effect of joint crisis plans on use of compulsory treatment in psychiatry: single blind randomised controlled trial.** *BMJ* 2004, **329**:136-138.
58. Swanson J, Swartz M, Ferron J, Elbogen EB, Van Dom R: **Psychiatric advance directives among public mental health consumers in five U.S. cities: prevalence, demand, and correlates.** *Journal of the American Academy of Psychiatry and the Law* 2005, (in press):.
59. Byng R, Jones R, Leese M, Hamilton B, McCrone P, Craig T: **Exploratory cluster randomised controlled trial of shared care development for long-term mental illness.** *Br J Gen Pract* 2004, **54**:259-266.
60. Lester H, Allan T, Wilson S, Jowett S, Roberts L: **A cluster randomised controlled trial of patient-held medical records for people with schizophrenia receiving shared care.** *Br J Gen Pract* 2003, **53**:197-203.
61. Allen MH, Carpenter D, Sheets JL, Miccio S, Ross R: **What do consumers say they want and need during a psychiatric emergency?** *J Psychiatr Pract* 2003, **9**:39-58.
62. Mercer S, Dieppe P, Chambers R, MacDonald R: **Equality for people with disabilities in medicine.** *BMJ* 2003, **327**:882-883.
63. Hanson KW: **Public opinion and the mental health parity debate: lessons from the survey literature.** *Psychiatr Serv* 1998, **49**:1059-1066.
64. Frank RG, Goldman HH, McGuire TG: **Will parity in coverage result in better mental health care?** *N Engl J Med* 2001, **345**:1701-1704.
65. Thornicroft G, Rose D: **Mental health in Europe.** *BMJ* 2005, **330**:613-614.
66. Organisation WH: *WHO Resource Book on Mental Health, Human Rights and Legislation* Geneva, World Health Organisation; 2005.
67. Organisation WH: *Mental Health Atlas 2005* Geneva, World Health Organisation; 2005.
68. Bartlett P, Lewis O, Thorold O: *Mental Disability and the European Convention on Human Rights* Leiden, Martinus Nijhoff; 2006.
69. Organisation WH: *Mental Health Declaration for Europe* Copenhagen, World Health Organisation; 2005.
70. Organisation WH: *Mental Health Action Plan for Europe* Copenhagen, World Health Organisation; 2005.
71. Pinfold V, Thornicroft G, Huxley P, Farmer P: **Active ingredients in anti-stigma programmes in mental health.** *International Review of Psychiatry* 2005, **17**(2):123-131.
72. Pinfold V, Huxley P, Thornicroft G, Farmer P, Toulmin H, Graham T: **Reducing psychiatric stigma and discrimination--evaluating an educational intervention with the police force in England.** *Soc Psychiatry Psychiatr Epidemiol* 2003, **38**:337-344.
73. Pinfold V, Toulmin H, Thornicroft G, Huxley P, Farmer P, Graham T: **Reducing psychiatric stigma and discrimination: evaluation of educational interventions in UK secondary schools.** *Br J Psychiatry* 2003, **182**:342-6.
74. Jorm AF, Christensen H, Griffiths KM: **The impact of beyondblue: the national depression initiative on the Australian public's recognition of depression and beliefs about treatments.** *Aust N Z J Psychiatry* 2005, **39**:248-254.

Publish with **BioMed Central** and every scientist can read your work free of charge

"BioMed Central will be the most significant development for disseminating the results of biomedical research in our lifetime."

Sir Paul Nurse, Cancer Research UK

Your research papers will be:

- available free of charge to the entire biomedical community
- peer reviewed and published immediately upon acceptance
- cited in PubMed and archived on PubMed Central
- yours — you keep the copyright

Submit your manuscript here:
http://www.biomedcentral.com/info/publishing_adv.asp

