# Service user involvement in global mental health: What have we learned from recent research in low- and middle-income countries?

\*Grace K. Ryan<sup>1</sup>, Maya Semrau<sup>2</sup>, Eddie Nkurunungi<sup>3</sup>, Richard S. Mpango<sup>3</sup>

# Author affiliations

- Centre for Global Mental Health, London School of Hygiene and Tropical Medicine, London, United Kingdom
- 2. Global Health and Infection Department, Brighton and Sussex Medical School, Brighton, United Kingdom
- 3. Butabika Recovery College, Butabika National Referral Hospital, Kampala, Uganda

# \*Corresponding author

- Address: London School of Hygiene and Tropical Medicine, Keppel Street, London WC1E
   7HT, United Kingdom
- Phone: +44 0 2072994660
- Email: grace.ryan@lshtm.ac.uk

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## **Abstract**

#### Purpose of Review

The Lancet Commission on global mental health and sustainable development claims the field of global mental health is undergoing a "transformational shift" toward an ethic of "nothing about us without us". Yet a systematic review published in 2016 identified few examples of meaningful participation by service users in mental health systems strengthening in low- and middle-income countries (LMICs). To investigate whether this is still the case, we conducted a rapid review of primary research published between June 2017 and December 2018.

#### **Recent Findings**

We identified 10 studies reporting on user involvement in LMICs, including three in mental health policy and planning, three in mental health services or capacity-building, and three in treatment decision-making. An additional study was identified as having involved users in data collection, although this was unclear from the original text. Included studies were mostly qualitative and conducted as part of a situation analysis, pilot study or other formative research. Few reported the results of efforts to improve involvement, suggesting this shift remains at an early stage.

#### Summary

While the number of studies published on user involvement is rapidly increasing, the potentially "transformational" effects of this shift in global mental health are not yet being felt by most users in LMICs.

# **Key Words**

global mental health, user involvement, psychosocial disabilities, disability rights

#### Introduction

The 2018 Lancet Commission report on global mental health and sustainable development identifies four "transformational shifts" in the history of global mental health to-date. Commissioners describe the fourth shift, dubbed "nothing about us without us", as a "fundamental, rights-based component of the ethos of mental health-care provision and research" (pp.1557).¹ They cite as evidence of this shift a study on the involvement of service users¹ in mental health system strengthening in Nepal.²

Yet the field of global mental health has also come under scrutiny for a relative lack of involvement of people with lived experience of mental health conditions in low- and middle-income countries (LMICs), compared to efforts made in high-income countries—which are already deemed insufficient by many critics. Indeed, the United Kingdom's Global Ministerial Mental Health Summit, where the *Lancet* Commission was officially launched in October 2018, drew criticism for failing to meaningfully engage a wide enough range of user representatives, particularly at early stages of planning:

While a few networks were approached to provide 'experts by experiences' to attend panels on themes already decided on, there has been no meaningful consultation or involvement of user-led and disabled people's organisations not already signed up to the 'Movement for Global Mental Health' agenda or funding to enable a wide range of representatives to attend (National Survivor User Network [NSUN], 2018, "Global Ministerial Mental Health Summit-Open Letters", para. 3).<sup>3</sup>

This apparent contradiction—between the "transformational shift" described by Commissioners<sup>1</sup> and the observations of advocates at the report's launch<sup>3</sup>—led us to question to what extent the principle of "nothing about us without us" is reflected in the literature on mental health in LMICs.

A systematic review published in 2016 as part of the Emerald (Emerging mental health systems in LMICs) programme identified twenty papers reporting on experiences of involving service users and caregivers in mental health systems strengthening in LMICs.<sup>4</sup> None of the papers was more than ten years old at the time, suggesting that user and caregiver involvement in global mental health is an area of recent and growing interest. However, most papers reported on the involvement of service users and caregivers as research subjects participating in the evaluation of services, not as direct participants in policy or service development, delivery of services or training of service providers, or the actual conduct of research.

To investigate whether this is still the case, we conducted a rapid review of the academic literature published between June 2017 and December 2018, applying search terms from Emerald's 2016 review<sup>4</sup> across eight electronic databases: Medline, Embase, PsycINFO, Web of Science, LILACS, ScIELO, Global Health and the Cochrane Database of Systematic Reviews [see Web Appendix 1 for search terms]. We included primary research conducted in LMICs using any kind of study design, so long as it reported on the involvement of people with mental, neurological or substance use conditions in mental health policy, services or research [Figure 1]. We excluded editorials, systematic reviews and other secondary research. As this was a rapid review conducted by researchers in English-speaking countries, we were unable to consider non-English texts. Titles, abstracts and full-texts were reviewed be a single screener, who was also responsible for data extraction [See Web Appendix 2 for data extraction table].

Although we are aware of the many critiques of the term "service user", we have chosen to employ it for the purposes of this review, as it was the term most commonly used in the texts under discussion.

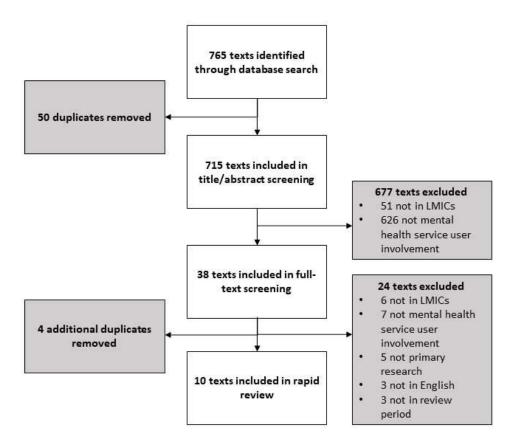


Figure 1: Flow Chart for Rapid Review

Our rapid review returned 10 studies from nine countries across Asia (China, India, Alaysia, Nepal<sup>6, 10, 11</sup>), Africa (Ethiopia, Alaysia, Nigeria, Alaysia, South Africa, Uganda) and Europe (Lithuania). The majority of included studies were qualitative and conducted as part of a situation analysis, pilot study or other formative research. Three reported on user involvement in mental health policy and planning, three on user involvement in mental health services or capacity-building of service providers, Alaysia, and three on user involvement in treatment decisions. Upon further consultation with the corresponding author, an additional study was identified as having involved users in data collection.

# Involvement in Mental Health Policy and Planning

The Emerald consortium conducted research in six LMICs (Ethiopia, India, Nepal, Nigeria, South Africa, Uganda) and has recently published country-specific<sup>12</sup> and cross-country<sup>6, 11</sup> qualitative studies reporting on the state of user and caregiver involvement in mental health system strengthening. These studies generally report little to no involvement of users in national, regional or district-level mental health policy or planning. Petersen, Marais, Abdulmalik et al. (2017) indicate that user involvement may be more advanced in India but provide no further details: "With the exception of India, a lack of service user participation was identified across all six countries, with the general uncertainty on how to engage service users" (pp.704).<sup>6</sup> Lempp, Abayneh, Gurung et al. (2017) conclude that although many stakeholders in Ethiopia, Nepal and Nigeria recognise its importance, user involvement remains extremely limited and often appears tokenistic.<sup>11</sup> In Ethiopia specifically, Hanlon, Eshetu, Alemayehu et al. (2017) report that district health officials and heads of

mental health facilities are more receptive to the idea of user involvement in less strategic activities, such as awareness-raising and service development, than in policy or planning.<sup>12</sup>

# Involvement in Mental Health Services and Capacity-Building

In keeping with Hanlon, Eshetu, Alemayehu et al.'s (2017) observations, <sup>12</sup> our review identified more examples of user involvement in mental health services than in policy or planning. Two studies evaluate mental health programmes involving self-help groups (India)<sup>7</sup> and formal peer support (China). <sup>5</sup> Researchers are also piloting a training module on mental health stigma co-facilitated by service users and delivered to primary care workers (Nepal). <sup>10</sup>

Mathias, Mathias, Goicolea and Kermode (2017) present a case study of the Burans mental health project in India, which aims to improve community mental health competence through a variety of community-level interventions, including self-help groups for users and caregivers. Participants report benefits of self-help groups, such as improved social inclusion, though outcomes are not assessed quantitatively. However, self-help groups are widely used in LMICs and their effectiveness has already been investigated in previous studies, including in India. 15-17

Fan, Ma, Ma et al. (2018) describe a rather more innovative peer support programme in China, in which users are recruited as peer providers. These peer providers lead group sessions with service users focused on developing key skills (daily life skills, social skills, fine motor skills), promoting emotional well-being (emotional support, self-image), and providing health education (mental health literacy, healthy lifestyle) as well as entertainment. Peer providers are recruited, trained and supervised by mental health care providers, and sessions are held in community-based health facilities such as rehabilitation centres and health centres. This is one of very few examples of formal peer support being delivered in a LMIC, and we believe Fan, Ma, Ma et al. (2018) represents the first evaluation of formal peer support in a LMIC to report any quantitative, user-level outcomes. However, there are many limitations to the study design that call into question its overall positive assessment of the programme. For example, outcomes are self-reported at a single time-point, with no comparison group, in response to a series of yes/no questions that leave little room for nuance in participants' responses. More rigorous evaluation is needed.

Rai, Gurung, Kaiser et al. (2018) appear to be setting the foundation for a robust, cluster-randomised controlled trial of a user co-facilitated training to be delivered alongside other mental health Gap Action Programme training modules in Nepal as part of the RESHAPE pilot study. RESHAPE uses participatory research methods such as PhotoVoice, which helps participants shape a personal narrative through photography, to address stigmatising attitudes of care providers. Much like Souraya, Hanlon and Asher (2018) in Ethiopia, Rai, Gurung, Kaiser et al. (2018) focus on the roles of caregivers in facilitating users' involvement in RESHAPE. They conclude that caregiver involvement should be adopted as best practice in the conduct of any anti-stigma interventions involving users in this setting.

#### Involvement in Treatment Decisions

Three qualitative studies (Malaysia, Ethiopia and Lithuania neor neor neor involvement in decision-making regarding their treatment. All three studies describe hierarchical relationships between service providers and users in which providers expert opinions generally prevail. These studies recommend providing more accessible information on treatment options to improve user involvement in decision-making.

In Malaysia, Zaini, Bharathy, Sulaiman et al. (2018) report on formative research informing the development of a tool for shared decision-making in the treatment of major depression. The authors suggest Malaysia may be in a process of transition from a traditional paternalistic model of clinical decision making into a current informed decision making model (pp.9)—a transition which can be better supported by creating standardised tools and procedures for clinicians to follow. However, they note that patients still value clinicians experience and are less interested in evidence of efficacy from the scientific literature than in examples of cases seen by the clinician previously.

In Ethiopia, Souraya, Hanlon and Asher (2018) investigate the roles of users and caregivers in making treatment decisions in the context of a pilot community-based rehabilitation programme for schizophrenia. They describe a prevailing culture of collectivist decision-making that results in caregivers often taking responsibility for treatment decisions. Users' roles in decision-making are limited and may also be mediated by social and economic factors, such as gender and poverty. The study concludes that community-based rehabilitation workers can promote user involvement, for example by providing information about treatment options, listening to users' needs and showing respect for their opinions—essentially mediating between users, caregivers and providers, while remaining sensitive to users' autonomy. However, the authors also observe that systems-level resource limitations affect the affordability and availability of different treatment options, and thereby constrain user decision-making.

This point is further illustrated by Sumskiene, Petruzyte and Klimaite's (2018) evaluation of Lithuania's mental health system. <sup>14</sup> In Lithuania, a scarcity of human resources for mental health has translated into a predominantly biomedical approach to care. Psychotherapy is rarely available and therefore not presented as a treatment option. Those who can afford it may turn to the private sector for psychotherapy. Those who cannot must make do with medication alone. The authors posit that overreliance on medication contributes to the "passive position of the patient", due in part to the potentially debilitating effects of overmedication. They also suggest that psychotherapy requires the user to take a more active role in the treatment process. In this context, the limited number of treatment options available not only diminishes the user's opportunity to exercise choice, but also reinforces the user's "passive position".

# Involvement in Research

None of the studies included in this review clearly reported involvement of service users in any capacity other than as research subjects. Three of eleven data collectors involved in a survey on psychosocial disabilities and barriers to participation in North India were identified as people with disabilities. In personal correspondence, the lead author confirmed that some of these data collectors had psychosocial disabilities, although this was not apparent from the study text.

## What does recent research tell us?

For many years, the field of global mental health has focused on narrowing the "treatment gap" in LMICs as one of its central concerns.¹ While studies from Ethiopia, Nepal and Nigeria mention improving access to affordable treatment as an important strategy to help lift barriers to involvement,¹¹¹¹³ the case of Lithuania reminds us that the kind of treatment matters.¹⁴ Overmedication and potentially debilitating side effects of some psychotropic drugs can impede meaningful participation.

Providing a wider variety of treatment options, including non-pharmaceutical options, and more information about these options— for example by using a shared decision-making tool, as in Malaysia,<sup>9</sup> or engaging community-based rehabilitation workers in treatment planning, as in

Ethiopia<sup>13</sup>—may be steps in the right direction. However, these interventions are still at the early stages of development and piloting; their effectiveness in improving involvement in decision-making has not yet been demonstrated.

Psychosocial interventions like self-help groups in India<sup>7</sup> and peer support in China<sup>5</sup> can help empower users to take charge of their own recovery while supporting others. These interventions can also become conduits into higher-level advocacy and involvement in policy and planning. Several of the authors of this review (EN, GR, RM) have witnessed peer support workers and Recovery College trainers in Uganda go on to successfully challenge discriminatory legislation and advocate for more humane and dignified treatment of service users. For example, laws that previously referred to users in Uganda as "idiots, imbeciles and lunatics" have adopted the term "people with psychosocial disabilities" in line with the United Nations Convention on the Rights of Persons with Disabilities. <sup>19-21</sup>

However, Rai, Gurung, Kaiser et al. (2018) and Souraya, Hanlon and Asher (2018) recognise that users' power to effect change can also be curbed by unsupportive caregivers and healthcare providers. <sup>10, 13</sup> In Nepal, the RESHAPE trial will test whether user involvement in training could be an answer to widespread stigmatization by providers, while making a concerted effort to engage caregivers in the process.

Finally, while there is evidence that cultural factors—such as gender roles and collectivist approaches to decision-making—can weigh on user involvement, most of the studies included in this review highlight the importance of resource limitations as crucial barriers to meaningful participation. What does shared decision-making really mean in a community where there are virtually no affordable treatment options available? What can a user advocacy group be expected to achieve in terms of policy change, if its members cannot afford the time or transport costs to attend a meeting? In low-income countries especially, where the median mental health expenditure is just \$0.02 USD per person per annum, 22 new funding is needed to tackle these sorts of barriers, or we will not see change. 11

#### Conclusion

Over the past 18 months, researchers have asked challenging questions about the current state of user involvement in LMICs. In some cases, they are already developing and testing new strategies to improve user involvement in LMICs in future.<sup>5, 7, 9, 10, 13</sup> Yet few results have been published, and none of this research appears to be user-led. Only rarely does it actively engage users in any research capacity other than as research subjects. The one exception we note is in India, where a very small number of data collectors with disabilities may have had psychosocial disabilities, though this could not be verified from the text.<sup>8</sup>

Our aim in this review was to investigate whether the purported "transformative shift" in global mental health toward an ethic of "nothing about us without us" represents rhetoric or reality, by drawing on the recent literature. We conclude that this field is at the early stages of such a shift, as evidenced by the rapidly increasing number of studies being published on user involvement in LMICs. However, the potentially transformative effects of this shift are not yet being felt by most users in LMICs. If the field of global mental health is going to make the principle of "nothing about us without us" a fundamental component of its ethos, then this principle must be extended to calls to governments and other funders to increase the resources available for mental health in LMICs.

# Key points

- Although the number of studies published on mental health service user involvement in LMICs appears to be growing, much of this is formative research.
- Few recent studies report results of efforts to improve mental health service user involvement in LMICs.
- Mental health service users in LMICs are rarely involved in research in any capacity other than as research subjects.
- Resource limitations are important barriers to mental health service user involvement in LMICs which must be addressed.

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#### Conflicts of interest

EN, GR and RM are collaborators on the evaluation of the Brain Gain II peer support programme operated by the Butabika-East London Link and funded by the Tropical Health Education Trust. EN, GR and RM are also collaborators on the UPSIDES consortium funded by the European Union's Horizon 2020 research and innovation programme under grant agreement n° 779263. MS is supported by the NIHR Global Health Research Unit for Neglected Tropical Diseases at the Brighton and Sussex Medical School. MS served as Scientific Coordinator of the Emerald programme funded by the European Union's Seventh Framework Programme under grant agreement n° 305968.

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- 2. Gurung D, Upadhyaya N, Magar J, et al. Service user and caregiver involvement in mental health system strengthening in Nepal: A qualitative study on barriers and facilitating factors. *International Journal of Mental Health Systems*. 2017; 11.
- 3. NSUN. Global Ministerial Mental Health Summit Open Letters. London: National Survivor User Network, 2018.
- 4. Semrau M, Lempp H, Keynejad R, et al. Service user and caregiver involvement in mental health system strengthening in low- and middle-income countries: systematic review. *BMC Health Services Research*. 2016; 16: 79.
- 5. Fan Y, Ma N, Ma L, et al. A community-based peer support service for persons with severe mental illness in China. *BMC Psychiatry*. 2018; 18: 170.
  - \*\*This is one of very few studies of formal peer support to be conducted in a LMIC, and is likely the first to measure user-level outcomes quantitatively. Among a sample of 21 users, 79.2% (p<0.001) reported satisfaction with their peer providers and 70.8% (p=0.005) wanted to continue with the programme. 41.7% (p=0.827) reported that their communication skills had improved since joining the programme. However, these outcomes were self-reported retrospectively, at a single time point, with no comparison group. These and other methodological limitations call into question the validity of the study's findings.

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- 10. Rai S, Gurung D, Kaiser BN, et al. A service user co-facilitated intervention to reduce mental illness stigma among primary healthcare workers: Utilizing perspectives of family members and caregivers. *Families, Systems, & Health.* 2018; 36: 198-209.
  - \*\*This is a qualitative study informing the RESHAPE trial, which will engage service users as cofacilitators of an anti-stigma training delivered to primary care workers alongside other mhGAP modules. This study reports on benefits as well as burdens of and barriers to the involvement of users, and underscores the importance of engaging caregivers in order to successfully implement the RESHAPE training intervention.
- Lempp H, Abayneh S, Gurung D, et al. Service user and caregiver involvement in mental health system strengthening in low- and middle-income countries: a cross-country qualitative study. Epidemiology & Psychiatric Science. 2018; 27: 29-39.
   \*This cross-country situation analysis describes the current state of involvement of users and caregivers in mental health systems strengthening across three LMICs (Ethiopia, Nepal, Nigeria). It

resource limitations, and recommends further investment.

12. Hanlon C, Eshetu T, Alemayehu D, et al. Health system governance to support scale up of mental health care in Ethiopia: a qualitative study. *International Journal of Mental Health Systems*. 2017; 11: 38

concludes that user involvement remains "in its infancy in LMICs" (pp.9), partially as a result of

- 13. Souraya S, Hanlon C and Asher L. Involvement of people with schizophrenia in decision-making in rural Ethiopia: a qualitative study. *Global Health*. 2018; 14: 85.

  \*This study investigates community-based rehabilitation workers' roles in improving involvement in decision-making as part of the RISE trial pilot in Ethiopia. Results suggest community-based rehabilitation workers can mediate between people with schizophrenia, their caregivers and healthcare providers, in order to improve involvement of people with schizophrenia in decision-making. It also highlights the important role of caregivers in making treatment decisions.
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# Web Appendix 1: Search Terms

#### Service users

#1 Search: (exp Patient Participation/ OR exp Consumer Participation/) OR (patient involvement OR client involvement OR service user involvement OR client participation OR service user participation OR patient participation OR service user engagement OR patient engagement OR service user coproduction OR patient co-production).mp.

#### Health system and services / research

#2 Search: (exp Delivery of Health Care/ OR exp Health Policy/ OR exp Health Services/ OR exp Mental Health Services/ OR exp Community Mental Health Services/ OR exp Community Health Planning) OR (delivery of health care OR health care delivery OR health system strengthening OR health policy OR health policies OR health system OR health systems OR health services OR mental health systems OR mental health services OR community mental health services).mp.

OR

Exp Research/ OR research.mp.

#### Mental health

#3 Search: (exp Mental health/ OR exp Mental Disorders/) OR

("drug abuse" OR "drug addict\*" OR "drug depend\* \*" OR "drug dependence\*" OR "drug withdrawal" OR "drug abuse") OR

("addictive disease\*" OR "addictive disorder\*") OR

("alcoholic patient\*" OR "alcoholic subject\*" OR alcoholism OR "alcohol dependent\*" OR "alcohol dependence\*" OR "fetal alcohol\*" OR "prenatal alcohol\*" OR "chronic ethanol\*" OR "chronic\* alcohol\*" OR "alcohol withdrawal" OR "ethanol withdrawal") OR

("caffeine dependent\*" OR "caffeine dependence" OR "caffeine addiction" OR (caffeine AND addict\*) OR "caffeine withdrawal") OR

(((cocaine OR heroin OR cannabis OR mdma OR ecstasy OR morphine\*) AND (abuse OR depend\* OR dependent\* OR dependence\* OR addict\* OR addicts OR addicted OR addiction\* OR withdrawal) OR methadone) OR

(addiction OR addictive OR "substance abuse" OR "withdrawal syndrome" OR psychoactive\*) OR

((schizophrenia OR schizophrenic) OR Schizotyp\* OR ((Delusional OR paranoid) AND disorder\*) OR hallucination\* OR Psychotic OR Schizoaffective OR psychosis) OR

(((manic OR bipolar OR mood) AND disorder\*) OR (depressive AND (disorder\* OR episode\*)) OR "depressive symptom\*" OR hypomania OR mania\* OR ((major OR psychotic OR disorder\*) AND depression) OR "suicide attempt\*" OR suicidal\* OR cyclothymia OR Dysthymia) OR

(((anxiety OR panic OR "Obsessive-compulsive" OR adjustment OR conversion OR dissociative OR Somatoform OR Somatization OR neurotic) AND disorder\*) OR ("hypochondriasis\*" OR "body dysmorphic disorder\*" OR "pain disorder\*") OR agoraphobia OR "social phobia\*" OR "Posttraumatic stress" OR "stress disorder\*") OR

("Eating disorder\*" OR "Anorexia nervosa" OR "Bulimia nervosa" OR "sleep disturbance" OR (sexual AND (disorder\* OR dysfunction)) OR ((postnatal OR postpartum) AND depression) OR ((antidepressant\* OR

laxative\* OR analgesic\* OR psychotropic\* OR vitamin\* OR steroids OR hormone\*) AND abuse) OR

((insomnia OR sleepiness OR "sleep disturbance") NOT (apnea OR "side effect\*" OR parkinson\* OR alzheimer OR neurodegenerat\* OR cancer OR obesity OR obese\*)) OR (hypersomnia NOT narcolepsy) OR ((sleep OR night) AND terror\*) OR nightmare\* OR

((disorder\* AND (personality OR identity OR impulse\* OR impulsive\* OR impulsivity)) OR asocial OR antisocial OR psychopathic OR anxious OR narcissi\* OR "Pathological gambling" OR pyromania\* OR Trichotillomania OR Psychosexual OR ("Munchhausen syndrome")) OR

("Pervasive developmental disorder\*" OR autism OR autistic\* OR "Rett\* syndrome" OR "Asperger\* syndrome") OR

((Hyperkinetic OR Conduct OR Emotional OR tic) AND disorder\*) OR (anxiety AND (separation OR phobic OR social)) OR (hyperactivity AND (disorder\* OR syndrome)) OR "Tourette syndrome" OR "Tourette's syndrome") OR

((Mental AND (disorder\* OR illness OR health OR health condition OR distress)) OR "psychological distress" OR "psychiatric disorder") OR

(Nervousness OR "nervous tension" OR Irritability) OR anorexia OR (neurosis OR neuroses OR psychoses) OR (("mental confusion\*") OR ("mental disability\*") OR ("mental capacity\*") OR ((psychiatric OR mental) AND (comorbidity OR comorbid)) OR psychiatry OR psychology))

#### **LMICs**

#### #4 Search:

(developing OR less developed OR under developed OR underdeveloped OR middle income OR low income OR lower income).mp. AND (countr\* OR nation\* OR population\* or world).mp.

OR

(transitional OR developing OR less developed OR lesser developed OR under developed OR underdeveloped OR middle income OR low income OR lower income).mp. AND (economy OR economies).mp.

OR

((low\*).mp. AND (gdp OR gnp OR gross domestic OR gross national).mp.) OR (Imic OR Imics OR lamics OR lamic OR third world OR lami countries OR lami country).mp. OR (transitional country OR transitional countries).mp.

OR

Exp Developing Countries/

OR

(Afghanistan or Albania or Algeria or Angola or Antigua or Barbuda or Argentina or Armenia or Armenian or Aruba or Azerbaijan or Bangladesh or Benin or Byelarus or Byelorussian or Belarus or Belorussian or Belorussia or Belize or Bhutan or Bolivia or Bosnia or Herzegovina or Hercegovina or Botswana or Brazil or Bulgaria or Burkina Faso or Burkina Fasso or Upper Volta or Burundi or Urundi or Cambodia or Khmer Republic or Kampuchea or Cameroon or Cameroons or Cameron or Camerons or Cape Verde or Central African Republic or Chad or Chile or China or Colombia or Comoros or Comoro Islands or Comores or Mayotte or Congo or Zaire or Costa Rica or Cote d Ivoire or Ivory Coast or Croatia or Cuba or Cyprus or Czechoslovakia or Czech Republic or Slovakia or Slovak Republic or Djibouti or French Somaliland or Dominica or Dominican Republic or East Timor or East Timur or Timor Leste or Ecuador or Egypt or El Salvador or Eritrea or Estonia or Ethiopia or Fiji or Gabon or Gabonese Republic or Gambia or Gaza or Georgia Republic or Georgian Republic or Ghana or Gold Coast or Grenada or Guatemala or Guinea or Guam or Guiana or Guyana or Haiti or Honduras or India or Maldives or Indonesia or Iran or Iraq or Jamaica or Jordan or Kazakhstan or Kazakh or Kenya or Kiribati or Korea or Kosovo or Kyrgyzstan or Kirghizia or Kyrgyz or Kirghiz or Kirgizstan or Lao PDR or Laos or Latvia or Lebanon or Lesotho or Basutoland or Liberia or Libya or Lithuania or Macedonia or Madagasca or Malagasy or Malaysia or Malaya or Malay or Sabah or Sarawak or Malawi or Nyasaland or Mali or Marshall Islands or Mauritania or Mauritius or Agalega Islands or Mexico or Micronesia or Middle East or Moldova or Moldovia or Moldovian or Mongolia or Montenegro or Morocco or Ifni or Mozambique or Myanmar or Myanma or Burma or Namibia or Nepal or Netherlands Antilles or New Caledonia or Nicaragua or Niger or Nigeria or Mariana Islands or Oman or Muscat or Pakistan or Palau or Palestine or Panama or Paraguay or Peru or Philippines or Philipines or Phillipines or Phillippines or Romania or Rumania or Roumania or Russia or Russian or Rwanda or Ruanda or Saint Kitts or St Kitts or Nevis or Saint Lucia or St Lucia or Saint Vincent or St Vincent or Grenadines or Samoa or Samoan Islands or Navigator Island or Navigator Islands or Sao Tome or Senegal or Serbia or Montenegro or Seychelles or Sierra Leone or Slovenia or Sri Lanka or Ceylon or Solomon Islands or Somalia or Somaliland or Sudan or Suriname or Surinam or Swaziland or Syria or Tajikistan or Tadzhikistan or Tadjikistan or Tadzhik or Tanzania or Thailand or Togo or Togolese or Tonga or Trinidad or Tobago or Tunisia or Turkey or Turkmenistan or Turkmen or Uganda or Ukraine or Uruguay or USSR or Soviet Union or Union of Soviet Socialist Republics or Uzbekistan or Uzbek or Vanuatu or New Hebrides or Venezuela or Vietnam or Viet Nam or West Bank or Yemen or Yugoslavia or Zambia or Zimbabwe or Rhodesia).mp.

#### Limits

Years 2017-2018 only

# Web Appendix 2: Data Extraction Table

| Author, Year               | Countries involved | Funder  | Description of study   | Study methods  | Participant<br>group and<br>sample size   | Description of involvement  | Summary of key findings   |
|----------------------------|--------------------|---|--|--|---|---|---|
| Fan, Ma, Ma, et al. (2018) | China              | Beijing Health Development Research Project, National Natural Science Foundation of China | Quantitative evaluation of community-based peer support service. | Quantitative: Structured interviews (yes/no questions) with consumers and caregivers in two of four communities served and with all peer providers ("peers"), reporting on outcomes related to service satisfaction and perceived benefit. | 21 consumers, 15 caregivers and 12 peer providers (66.67% male) Sex reported for peer providers only. | Peer providers deliver peer support activities such as skills training, psychoeducatio n and emotional support. | Consumers: 79.2% (p<0.001) satisfied with peers, 70.8% (p=0.005) wanted to continue. 41.7% (p=0.827) reported improved communication skills.  Caregivers: 93.3% (p=0.001) wanted consumers or peers to continue, 33.3% (p=0.197) reported improvement in mood, 40% (p=0.197) reported observing |

|  |          |    |   |   |  |  | improved communication skills among consumers or peers.  |
|--|----------|----|---|---|--|--|--|
| Hanlon Echatu                                  | Ethiopia | EU | Situation   | Qualitative: In-  | National/  | Study reveals  | Peers: 85.7% (p=0.059) reported improved working skills, 57.1% (p=0.507) reported improved communication skills.                           |
| Hanlon, Eshetu,<br>Alemayehu, et<br>al. (2017) | Ethiopia | EU | analysis to inform mental health systems strengthening in Ethiopia through Emerald. | depth, semi-<br>structured<br>interviews with<br>national/<br>regional leaders<br>and planners,<br>district level<br>planners and<br>health facility<br>managers. | regional level: 3 planners, 4 leaders involved in service development. District level: 2 planners, 8 health facility managers. Sex not reported. | lack of service<br>user<br>involvement in<br>policy and<br>planning. | Particularly at district level, respondents were receptive to idea of user and caregiver involvement, but recognised it was not practiced. |

| Lempp,         | Ethiopia, Nepal, | EU               | Cross-country   | Qualitative: In-  | Ethiopia: 13      | Study concludes      | Four key themes   |
|----------------|------------------|------------------|-----------------|-------------------|-------------------|----------------------|-------------------|
| Abayneh,       | Nigeria          |                  | situation       | depth, semi-      | service users, 10 | involvement "is      | discussed,        |
| •              | INIGELIA         |                  |                 | structured        | -                 | still in its infancy | related to        |
| Gurung, et al. |                  |                  | analysis on     |                   | caregivers, 8     |                      |                   |
| (2017)         |                  |                  | involvement of  | interviews with   | heads of primary  | in LMICs" (pp.9)     | participants'     |
|                |                  |                  | users and       | users,            | care facilities   | across the           | experience of     |
|                |                  |                  | caregivers in   | caregivers,       | and 8 policy-     | board.               | involvement,      |
|                |                  |                  | mental health   | heads of mental   | makers.           |                      | barriers to and   |
|                |                  |                  | systems         | health centres    | Nepal: 14         |                      | perceived         |
|                |                  |                  | strengthening.  | and policy-       | service users, 10 |                      | benefits of       |
|                |                  |                  |                 | makers.           | caregivers.       |                      | involvement,      |
|                |                  |                  |                 |                   | caregivers.       |                      | and strategies to |
|                |                  |                  |                 |                   | Nigeria: 10       |                      | increase          |
|                |                  |                  |                 |                   | service users, 10 |                      | involvement.      |
|                |                  |                  |                 |                   | caregivers.       |                      | Key               |
|                |                  |                  |                 |                   | Sex not           |                      | recommendatio     |
|                |                  |                  |                 |                   | reported.         |                      | n is for further  |
|                |                  |                  |                 |                   | reported.         |                      | investment to     |
|                |                  |                  |                 |                   |                   |                      | improve user      |
|                |                  |                  |                 |                   |                   |                      | and caregiver     |
|                |                  |                  |                 |                   |                   |                      | involvement.      |
| Mathias,       | India            | Private donation | Case study      | Qualitative:      | Unclear. People   | Focus of project     | Participating in  |
| Mathias,       |                  |                  | evaluating the  | focus group       | with              | is on building       | support groups    |
| Goicolea and   |                  |                  | Burans project. | discussions and   | psychosocial      | community            | helped to         |
| Kermode (2017) |                  |                  |                 | participant       | disabilities,     | mental health        | improve social    |
| , ,            |                  |                  |                 | observation.      | carers, Burans    | competence           | support and       |
|                |                  |                  |                 |                   | team and other    | generally,           | inclusion of      |
|                |                  |                  |                 | Quantitative:     | community         | however people       | people with       |
|                |                  |                  |                 | analysis of       | members           | with                 | psychosocial      |
|                |                  |                  |                 | routinely         | participated.     | psychosocial         | disabilities.     |
|                |                  |                  |                 | collected project | pa. crospacear    | disabilities and     |                   |
|                |                  |                  |                 | data.             |                   | caregivers           |                   |
|                |                  |                  |                 |                   |                   | targeted for         |                   |
|                |                  |                  |                 |                   |                   | participation in     |                   |
|                |                  |                  |                 |                   |                   | hai riciharioti iti  |                   |

|   |       |     |   |   |                                       | support groups,<br>some of which<br>are led by<br>people with<br>psychosocial<br>disabilities.   |  |
|---|-------|-----|---|---|---------------------------------------|--|--|
| Mathias, Pant,<br>Marella, et al.<br>(2018) | India | СВМ | Survey assessing prevalence of psychosocial disabilities and barriers to participation. | Quantitative: cross-sectional survey of a population- based random sample in Sahaspur block, Dehradun District, using Rapid Assessment of Disability survey tool and adapted Kessler scale. | 2,441 community members (51.6% male). | Survey reveals lack of involvement in consultations at community level.  Three of the eleven data collectors for this survey had either physical or psychosocial disabilities. | 2.5% more people with psychosocial disabilities reported lack of information about consultations, compared to general population; however, finding was not statistically significant (p=0.50).  Outcomes of involvement in data collection not reported. |

| Petersen,      | Ethiopia, India, | EU | Cross-country                               | Qualitative: In-  | Ethiopia: 7   | Study reveals  | Study concludes  |
|----------------|------------------|----|---|---|---|--|--|
|                | •                | [0 | 7   |   |   | · ·  | · · · · · · · · · · · · · · · · · · ·  |
| Marais,        | Nepal, Nigeria,  |    | situation                                   | depth, semi-  | policy-makers,  | lack of service  | there is poor  |
| Abdulmalik, et | South Africa,    |    | analysis inform                             | structured  | 10 district   | user   | participation of   |
| al. (2017)     | Uganda           |    | mental health                               | interviews with   | planners and  | involvement in   | users in the   |
|                |                  |    | systems                                     | national/   | managers  | policy and   | development of   |
|                |                  |    | strengthening across all Emerald countries. | regional, provincial and district level stakeholders including policy- makers, planners and managers. | India: 20 national policy- makers, 6 provincial planners, 7 district planners and managers  Nepal: 17 national policy- makers, 11 | planning across<br>all participating<br>countries, but<br>notes India may<br>be an exception;<br>further<br>information on<br>involvement in<br>India not<br>provided. | policies and plans, and recommends strategies be developed to support development of user groups and build capacity to improve collaboration |
|                |                  |    |   |   | · ·   |  |  |
|                |                  |    |   |   | district planners   |  | between of both  |
|                |                  |    |   |   | and managers  |  | users and  |
|                |                  |    |   |   | Nigeria: 6 national policy- makers, 4 provincial planners, 20 district planners and managers                                      |  | managers.  |
|                |                  |    |   |   | South Africa: 4 national policy- makers, 5 provincial planners, 8 district planners and managers                                  |  |  |

|  |          |                                |  |  | Uganda: 8 national policy- makers, 8 district planners and managers Sex not reported.   |  |   |
|--|----------|--------------------------------|--|--|---|--|---|
| Rai, Gurung,<br>Kaiser, et al.<br>(2018) | Nepal    | DFID, NIMH                     | Formative<br>research to<br>inform the<br>RESHAPE trial.   | Qualitative: key informant interviews of users selected as training cofacilitators and their carers.                                       | 9 service users<br>(33.33% male)<br>and 8 caregivers<br>(37.5% male).   | Service users have been selected as cofacilitators of an anti-stigma training delivered to primary care workers alongside mhGAP. | Engaging with caregivers is crucial to facilitating involvement of service users. Study reports on benefits as well as burdens of and barriers to involvement of service users, primarily from the caregivers' perspective. |
| Souraya, Hanlon<br>and Asher<br>(2018)   | Ethiopia | DFID, LSHTM,<br>Wellcome Trust | Qualitative study investigating community-based rehabilitation workers' roles in improving involvement in decision-making, | Qualitative: focus group discussions with community- based rehabilitation workers and in- depth interviews with people with schizophrenia, | Focus groups: 10<br>CBR workers.<br>Interviews: 6<br>people with<br>schizophrenia<br>(66.67% male), 7<br>caregivers, 2<br>health officers, 1<br>supervisor, 1<br>community- | Community-based rehabilitation workers attempt to mediate between people with schizophrenia, their caregivers and healthcare     | Although community-based rehabilitation workers can be mobilised to improve involvement in decision-making, involvement   |

|  |           |                         | conducted as part of RISE trial pilot.  | caregivers and a community-based rehabilitation worker.   | based rehabilitation worker.  Sex reported for people with schizophrenia only. | providers, in order to improve involvement of people with schizophrenia in decision-making regarding their treatment.   | remains limited due to social, cultural and practical constraints in this setting.  |
|--|-----------|-------------------------|---|---|--|---|---|
| Sumskiene,<br>Petruzyte and<br>Klimaite (2018) | Lithuania | No funder<br>reported   | Qualitative<br>study evaluating<br>treatment<br>available via<br>Lithuania's<br>mental health<br>care system. | Qualitative: semi-structured interviews with patients of two mental health centres (one primary care- level, one secondary-care level) and experts. | 30 patients (40.0% male) and 20 experts. Sex reported for patients only.       | Study reveals lack of involvement of patients in decision-making regarding treatment, particularly in relation to biomedical versus psychotherapeu tic treatment. | Human resource shortages in the public sector have contributed to an overreliance on biomedical treatment, which may in turn hinder involvement of patients in decision-making, partly due to disabling side effects of medication. |
| Zaini, Bharathy,<br>Sulaiman, et al.<br>(2018) | Malaysia  | University of<br>Malaya | Formative<br>research to<br>inform<br>development of<br>a shared<br>decision-making                           | Qualitative:<br>focus group<br>discussions with<br>patients<br>diagnosed with<br>major<br>depressive  | 11 patients<br>(9.09% male)<br>and 19 doctors<br>(53.6% male).                 | Involvement as research subjects in formative research to develop a shared-decision   | Development of tools and processes intended to promote shared decision-making   |

|  | tool for depression. | disorder and doctors involved in psychiatric outpatient care. | making tool that aims to ultimately increase participation in decision-making on treatment of major depression. | require patient involvement.  Six key themes identified as important for decision-making: presentation of treatment options, instructions on how to take medications, side effects, cost, pharmacist input and examples of previous patients' experiences. |
|--|----------------------|---|---|--|
|--|----------------------|---|---|--|