COVID-19 mental health care toolkit: an international collaborative effort by Early Career Psychiatrists section

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ABSTRACT
The collaborative effort of an international research team from the Early Career Psychiatrists section of the World Psychiatry Association has brought about an easy-to-use, quick and stepwise mental health care toolkit for the identification and appropriate referral of those in need of mental health care during the pandemic. This simple guide can be applied in the general outpatient setting and is catered for all healthcare professionals, regardless of their expertise within the mental health field with minimal training. It is our hope that by incorporating this toolkit into our daily clinical care during the pandemic for high-risk patients and patients with non-specific complaints, we will be able to bridge the mental health gap present in our society.

INTRODUCTION
Following recent infectious disease outbreaks both at national (epidemic) and global levels (pandemic), there has been an increased preparedness by most countries against future outbreaks with a focus mainly on rapid case isolation, quarantine, vaccine, antiviral treatment and economic preparedness. However, little attention has been given to the acute and long-term mental health impact of such events.1 2

In the current COVID-19 pandemic, there had been minimal mental health planning in advance of the pandemic, nor following the identification of the first cases in several countries such as India, Lebanon, as well as Nigeria. Despite research done following the Ebola outbreak in Nigeria in 2014 that pointed out an increased prevalence of psychological distress in survivors and relative(s) of those infected by the Ebola Virus, mental health planning and preparedness was not included in the COVID-19 preparedness plan.3 4 As a result, COVID-19 found most countries unprepared for the increased demand in mental health care brought by the pandemic.

Further to the development of a guiding framework for the implementation and evaluation of mental health care needs during the COVID-19 pandemic,5 we set out to prepare a stepped care toolkit by which the mental health challenges of different countries could be planned ahead irrespective of what phase of the pandemic they were in. Preventing and planning an integrated and multi-step approach through which the specific mental health challenges for each country, including the management of alcohol, substance use and behavioural addiction, could be properly addressed is fundamental as well as the development of alternative therapeutic and rehabilitative tools and a wider application and development of telepsychiatric means, particularly in those countries with already established service.6 Addressing COVID-19-related stigma in such a framework is crucial, as stigma towards the infection, spread via misinformation and myths in mainstream and social media outlets, was also identified as a major factor implicated in the extent of the spread of the pandemic. This goes in concordance with lessons learnt from past infectious disease outbreaks.7 All the aforementioned primary mental health targets during the pandemic were the products of the collaborative effort of the Early Career Psychiatrist–World Psychiatric Association (ECP-WPA) research group. The research team held meetings via video conferencing and deliberated on the numerous gaps in mental health care during the pandemic from their country’s perspectives and proposed strategies and interventions to bridge these gaps.

The collaborative effort of this research team has also brought about an easy-to-use, quick and stepwise mental health care toolkit for the identification and appropriate
Referral of those in need of mental health care during the pandemic (Box 1). This simple guide can be applied in the general outpatient setting and is catered for all healthcare professionals, regardless of their expertise within the mental health field. It is our hope that by incorporating this guide into our daily clinical care during the pandemic, we will be able to bridge the mental health gap present in our society.

**Rationale for stepped care mental health toolkit**

During pandemics, mental health services are often inadequate and insufficient. Redeployment of mental health professionals to frontline healthcare workers also adds to the decreased mental health human resources that are available. Low-income and middle-income countries (LMICs) with already inadequate mental health services are faced with the increase in prevalence of psychosocial distress in the general population and the worsening of the mental health gap already present. With insufficient number of qualified mental health providers and significant disparity in mental health services between urban and rural settings, there will be an increased dependence on primary healthcare as well as telemedicine services for accessing mental healthcare. There is, thus the need of a stepped care approach using a mental health toolkit that highlights the most prevalent psychosocial problems during the current COVID-19 pandemic (from reviewed literature) which could aid in bridging the mental health gap in LMIC as well as improve mental health service delivery in high-income countries by providing mental health services at the primary and community healthcare levels with appropriate referral to specialised mental health facilities as needed.

**Training of healthcare workers**

In order to achieve reliable screening results, healthcare workers at the primary healthcare and community healthcare levels would require some form of training on the use of the psychometric tools by mental health professionals (psychiatrists, clinical psychologist or psychiatric nurses) using face-to-face or telecommunication means (to maintain physical distancing required during this pandemic). It has been shown that with as little as 3 hours of training on the use of psychometric tools, inter-rater reliability of up to 81% can be achieved. These trainings can be reinforced periodically using pre-recorded training videos. All psychometric tools used in this toolkit have been validated in different countries and in different settings including primary care settings.

**Sampling of at-risk groups**

During infectious disease outbreaks and pandemics, the at-risk populations (group of individuals most susceptible to the infection during the outbreak) are at increased risk of the infectious disease and also of the psychosocial consequences associated with the infectious disease. The at-risk populations often become hard to reach due to stigma, and physical and social distancing (which could be

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**Box 1 COVID-19 mental health care toolkit**

**STEP I**

Identification of at-risk groups for mental health disorders during the different phases of the pandemic, bearing in mind the emotional epidemic curve as proposed by the ECP research group. Sensitisation and recruitment of patients for screening can be carried out using the previously suggested methods. In settings where a database of service users already exists, this can be used to identify and screen at-risk populations.

1. Persons under quarantine.
2. Family members/relatives/close contacts potentially at high risk for COVID-19 infection.
3. Persons who have tested positive for COVID-19 (asymptomatic and symptomatic).
5. Persons who lost family and friends secondary COVID-19 infection.
6. Persons who contact mental health services, such as telepsychiatry helplines and services.
7. Vulnerable groups such as the elderly, those at risk of intimate partner violence, as well as Lesbian, Gay, Bisexual and Transsexual (LGBT) and other social minorities.
8. People presenting to primary care settings with non-specific complaints.

**STEP II**

Screen for Mental Health Distress (MHD) using the General Health Questionnaire—12 (GHQ-12) in the most convenient language of the person receiving the screening. This can be done through telemedicine, online screening surveys, emergency care settings, primary and community healthcare settings.

1. Negative screen (GHQ score less than 4): Counsel and educate on preventing mental illness and promoting good mental health using the WHO guidelines, as well as reducing stigma related to COVID-19. For high-risk groups, proceed to step 3 despite positive screening.
2. Positive screen (GHQ score greater than or equal to 4): Provide list of options to person receiving the screening.
   i. Explain the process following a positive screen.
   ii. Explain the possibility of loss of anonymity for persons being screened through telemedicine (breach of confidentiality) should severe mental health challenges be discovered on further screening as such cases would be scaled up for appropriate treatment.
   iii. Request informed consent to proceed.
   iv. Proceed to step 3 for application of quick screening toolkit as assembled by the ECP research group.

**STEP III**

The quick screening toolkit consists of seven screening instruments which can be used for screening and severity rating of common mental disorders at the primary care level. A positive screen using any of the tools moves person assessing care to STEP IV. Any positive screen with a moderate or severe rating will be referred for face-to-face specialist psychiatric consultation only. The screening should take approximately 15–20 min.

1. Patient Health Questionnaire (PHQ) 9 for the screening of major depression.
2. Coronavirus Anxiety Scale (CAS) for the screening of COVID-19–related anxiety.
3. Abbreviated PTSD checklist—civilian version (PCL-C) for the screening of post-traumatic stress disorder.
the measures put in place to mitigate the spread of infection. Thus, the at-risk groups become hidden and hard to reach. Following a review of the literature published during the COVID-19 outbreak, we were able to identify the at-risk groups as listed in Box 1. These at-risk groups as well as members of the general population (with non-specific psychological complaints such as insomnia and somatising complaints) presenting at general outpatient clinics and community health centres during the pandemic should be screened for mental health distress using the General Health Questionnaire-12 (GHQ-12). We advise the use of flyers, posters and announcements on mainstream and social media on the availability of psychosocial services at the community and primary healthcare level to aid in the recruitment of patients for screening. These recruitment strategies should avoid the use of stigmatising languages and should be communicated in such a way to encourage patient turn-up. Community health workers should build rapport with potential patients in the community to encourage their use of available mental health services at health centres. These service users are further encouraged to spread the word on the availability of psychosocial services in their locality.

**Box 1 Continued**

4. Alcohol Use Disorder Identification Test (AUDIT) for the screening of alcohol misuse.
5. Drug Abuse Screening Test (DAST) 10 for the screening of psychoactive substance abuse.
6. Columbia Suicide Severity Rating Scale (C-SSRS) for the screening of suicidality.
7. Global Assessment of Functioning (GAF) scale to assess the need for in-patient care.

**STEP IV**
Upscale the person seeking care to the appropriate sector for management depending on the severity of the quick screen toolkit. The management involves:

1. Psychological counselling by trained counsellors if available in particular settings for positive screens with mild severity rating (except mild rating on the C-SSRS where minimal referral is for psychological therapy).
2. Psychological therapy—this could be through telepsychiatry means using video-conferencing or face-to-face consultation depending on the phase of the COVID-19 pandemic.
3. Psychiatric outpatient consultation for severity ratings greater than mild.
4. Psychiatric inpatient care for severity rating greater than moderate.
5. All persons seeking care are to be entered into a data system to enable to adequate follow-up. During each follow-up, a phone call is put across and person is screen to determine severity rating using previously used tool for which they screened positive. These are done on a weekly basis.
6. All data should be stored with the person’s identification number, not with their name nor other identifiable information.

*Some content of the quick screen toolkit was adapted from The SAMHSA-HRSA (Substance Abuse and Mental Health Services Administration and the Health Resources and Services Administration) Center for Integrated Health Solutions (CIHS) and all tools have not been validated to e-mental health use.

**Benefits of toolkit**
Evaluation of this toolkit can provide evidence for research approaches to community health programmes, to discover what works and why, as well as barriers and outcomes. The use of this toolkit cuts down on the time required for mental health care to reach large populations at times of pandemic as well as those in hard-to-reach areas, for example, rural areas. Data collected from use of this toolkit could serve as evidence for the mental health impact of pandemics on different populations and high-risk individuals, allowing for development of mental health strategies in future pandemic preparedness.

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