INTRODUCTION

The outbreak of the 2019 novel coronavirus (referred to by its more common name, COVID-19, in the rest of this paper) has impacted upon people around the world, not only directly through infection and death or acute illness, but also indirectly through the impact upon wider health services. For example, modelling of excess death data suggests that almost 9,000 additional non-COVID-19 deaths have occurred in the first half of 2020 in England, likely to be due to people being unwilling or unable to access needed medical care1.

Therefore, whilst World Health Organization (WHO) figures, and the world’s immediate attention, may focus upon the number of cases and deaths directly relating to COVID-19, a far wider picture is emerging across the globe of healthcare systems pushed to their limits, and the wider impact that the virus may have on the global population. It is also starting to become clear that, in addition to physical health, the mental health (generally defined as psychological, social, and emotional well-being) consequences must also be considered; COVID-19 has not only brought with it a direct threat to health, it has also dramatically altered the ways that people live, work, study, and function in almost every corner of the globe.

Evidence from the few studies already carried out examining the impact of COVID-19 upon people’s mental health suggests that we are seeing direct and indirect effects of COVID-19 in these areas just as for physical health2,3. It is likely that people will continue to live with the negative consequences that will potentially impact upon their mental health long after the physical elements of the pandemic are brought under control4. Evidence from the SARS epidemic in 2003 suggests that many people continued to have psychological distress long after the physical aspects of the outbreak were brought under control5, particularly related to stress, anxiety, and depression, and it is expected that this will also be seen in the current pandemic6.

In the aftermath of disasters, many people report symptoms of post-traumatic-stress disorder, including direct and indirect victims, particularly first responders6.

The WHO7 has predicted an increase in substance use, depression, self-harm and suicide. When surveyed, almost half of Americans reported that their mental health has been affected and nearly 20% said it is having a “major impact” during the current COVID-19 pandemic8. It is not too strong a statement to make in saying that every country in the world is likely to be facing a mental health crisis in the coming months and years; but how well resourced are countries and governments to deal with this mental health crisis? This paper will focus upon one country, Malaysia, but the arguments may be pertinent to many more countries as they consider how to address the mental health issues that will undoubtedly be brought about by COVID-19.

METHODS

A focused literature review was conducted using Google Scholar, Google, PSYCINFO, and EBSCO. A
total of 57 relevant sources were included in the review.

RESULTS

Mental Health and Provision of Care in Malaysia

Long before COVID-19, Malaysia faced many mental health issues that have negatively affected society on many levels\(^9\)-\(^10\). Mental health support requirements have been increasing in the country for a number of years\(^11\) and it had been predicted that by 2020 mental health would “be the second biggest health problem affecting Malaysians after heart disease”\(^12\) (para. 1) with approximately 30% of Malaysian adults affected\(^13\). Malaysian adolescents (13-17 year-olds) do not fare much better with approximately 40% found to be anxious, 18% depressed, and 10% stressed\(^14\), with the latest National Institute of Health (NIH)\(^15\) 2019 survey identifying childhood mental health as a “hidden epidemic” in Malaysian society.

Malaysia has had a National Mental Health Policy since 1998 and comprehensive mental health plans since 2002. However, there have been a number of challenges to fulfilling the ideals of this policy, including financial and coordination issues, a limited number of trained professionals, disagreements between stakeholders, and “lack of participation of social organizations to serve the social needs of people with mental illness”\(^11\) (p. 284). The lack of well-trained mental health professionals and even fewer specialists in Malaysia has been commented upon previously by a number of researchers\(^16\)-\(^17\). Malaysia has a population of approximately 32.37 million people\(^18\), yet as recently as 2018 there were only 410 psychiatrists, a ratio of 1.27:100,000, which is much lower than the WHO’s recommended number of 1:10,000\(^19\). In Malaysia, there are only approximately 140 clinical psychologists\(^19\), and the president of PERKAMA International (the organization that represents counselors) estimates approximately 17,000 qualified counselors, a ratio of approximately 1:1,900 when the recommended ratio is 1:500\(^20\). Even then, this estimate of qualified counselors is significantly higher than the number of officially registered counselors in 2018, which was 8,039\(^21\). Therefore, the ability of health care professionals to support people throughout such a crisis as COVID-19 may bring is questionable, simply on weight of numbers.

In general, prior to the outbreak, mental health tended to be treated in general or psychiatric hospitals or primary care settings, yet it has been recommended that it be integrated with or transitioned to community based services\(^19\). The Ministry of Health (MOH) has a Mental Health and Psychosocial Support (MHPSS) action plan to respond to disasters on three levels: district, state, and national\(^22\); this plan has been in place since 2013 and was recently updated in 2019\(^23\).

The MHPSS team conducts mental health assessments, consultations, and interventions, and as-needed referrals. A team will usually consist of psychiatrists, clinical psychologists, counselors, medical officers, allied health professionals, and a senior hospital administrator\(^24\). However, as has been commented on above, the number of trained professionals capable of carrying out this type of support is limited. Individual mental health providers on the MHPSS team have had caseloads of around 40 to 80 cases daily, and this might increase over the coming months. The MHPSS providers call clients via audio or via video call for 5-10 minutes to check on their psychological wellbeing and inquire about symptoms, emotions, unhealthy habits or coping, etc.\(^21\). For those who might need more extensive care, the MHPSS team will make recommendations or referrals to counseling or psychiatric sessions or to specific agencies such as the Welfare Department in order to provide for other identified needs\(^21\).

Since the governmental changeover in Malaysia in 2018, advocacy of mental health improvements appears to be taking place, with particular support from the deputy prime minister\(^11\); however, making changes to a health care system takes time and it is highly likely that the current crisis facing the country from COVID-19 will arrive before fully trained professionals can be put in place to deal with it. Therefore, it is of paramount importance for a nation such as Malaysia to identify where the mental health crisis is most likely to occur in order to direct the limited available resources to those areas. In this respect, the extant literature from psychological research and previous pandemics can provide guidance.

Social Isolation

In Malaysia, as of November 2, 2020, the COVID-19 infection rate reached 33,339 with 251 deaths, 9,968 active cases, and 23,120 who had recovered\(^22\). Malaysia was one of the first ASEAN countries to put in place a Motion Control Order (MCO) (quarantine/lockdown) nationwide to reduce COVID-19 infections\(^9\). The government-imposed MCO generally restricted people’s ability to gather in groups and travel both within Malaysia and internationally, and most non-essential businesses and services were suspended\(^27\). The initial MCO was from March 18\(^{th}\) to 31\(^{st}\), 2020\(^28\). However, as new cases continued to rise, the MCO was extended to April 28\(^{th}\) and then May 12\(^{th}\), 2020 with a possibility of being extended further\(^26\)-\(^29\). It was then announced that Malaysia would be under a Conditional Movement Control Order (CMCO), a slightly more relaxed version of the original MCO, until June 9\(^{th}\)\(^30\).

Both the direct and indirect effects of COVID-19 and the subsequent MCO/CMCO will undoubtedly pose challenges to Malaysian’s mental health,
during and after the event. Shanmugam et al. have argued that the social effects of isolation on mental health can be profound, including increases in anxiety disorders, obsessive-compulsive disorders, and posttraumatic stress disorders. In this respect their argument is similar to that of many preliminary research studies from across the world. Most Malaysians, as in other societies, have been self-isolating and social distancing which is likely to adversely affect their psychological well-being just as it will those in other societies.

Quarantine and being socially isolated has been associated with psychological distress. These are problematic because humans have naturally evolved to seek connection and affection from others. Loneliness and social isolation have been shown to have a negative association with good physical and mental health and even significantly increased mortality rates. Since humans are such social creatures and face-to-face contact seems to be imperative to our psychological well-being, it makes sense that being deprived of it due to fear of contracting COVID-19 is likely to cause many Malaysians to suffer psychologically.

Furthermore, lack of connection and social isolation may increase addictive behaviors and substance use. People have been advised to avoid or reduce such behaviors as ways of coping with the pandemic. This advice seems particularly relevant for Malaysians since addictive behaviors and substance use are considered deviant behavior in Malaysian society. However, the NIH 2019 report also identifies that alcohol and drug use continues to be an issue in Malaysian society, particularly in low-income males, one of the demographic groups likely to be impacted by the economic effects of COVID-19.

This pandemic adds additional stressors for low income Malaysians or those who lack income with women, children, and youth appearing to be most vulnerable. It has been reported that the unemployment rate is currently at the highest it has ever been for the past ten years and this is directly attributable to COVID-19. Therefore, financial stressors are predicted to cause more mental health concerns for Malaysians post-COVID-19 and, relatedly, there has been a reported increase in domestic violence in Malaysia since COVID-19. Children and other vulnerable individuals may be at risk of domestic violence and the associated mental and physical health issues that go with it. Between social isolation, substance use, financial stressors, and domestic violence, the mental health of many vulnerable Malaysians is likely to be adversely affected both during and after this pandemic.

Multicultural Considerations

Malaysia is a diverse country; the state of Sabah alone has more than 50 ethnicities. Some Malaysian communities tend to have more traditional beliefs and use traditional healers that may not be in alignment with modern mental health treatment modalities that come primarily from Western theories. There is still a lot of stigma in Malaysia about mental health, with some believing it is not acceptable have life problems. This includes internalized stigma which might lead people to not be honest about their conditions and not seek help at times of distress.

One of the National Mental Health Policy’s main principles is “accessibility and equity”. Promotion programs have been put in place, such as the “Let’s TALK Mind Sihat” one, and this can be helpful in reducing stigma. However, multiculturally sensitive mental health services appear to be lacking in Malaysia as a whole.

Current COVID-19 Mental Health Treatment in Malaysia

Malaysia is as likely as any other country—or possibly even more so—to experience devastating mental health consequences from this pandemic. The Malaysian government and the health care industry, especially the mental health care sector, need to be prepared for an increase in stress, depression, anxiety, substance use, trauma and even suicide among the people.

Most Malaysian hospitals provide some form of mental health care that can ease the toll of the pandemic. For people who have pandemic related distress, Mercy Malaysia (a volunteer organization) and the Ministry of Health (MOH; governmental agency responsible for mental health services) have started a mental health support service and hotline. Some Malaysians may be more vulnerable than others, including medical frontline staff, the elderly, those in low-income groups, those with chronic medical conditions, and those with existing mental illnesses. This is true both physiologically and psychologically. For example, in the case of medical frontline staff, the risks of contracting COVID-19 are higher, and the stress of dealing with that fact alongside the trauma of delivering medical care during a pandemic make them susceptible to mental health stress and fatigue. For those who have lost their income and need to support themselves and their families, the stressors can be acute.

As in many other countries, a number of mental health providers in Malaysia have started to provide telepsychology via audio or video calling. Some Malaysian universities provide telepsychology and even some in-person counseling for more severe cases for their students. The MHPSS plan has been implemented and provides Psychological First Aid Services and
Psychological Support to infected people, quarantined people suspected of having COVID-19, other responders involved with the virus, and healthcare workers. Since the beginning of MCO, they have had to complete a Depression, Anxiety and Stress Scale prior to returning to work\textsuperscript{22}.

DISCUSSION

For the last two decades, researchers have highlighted that inadequate services and specialists for Malaysian populations exist\textsuperscript{11,17} and this still appears to be the case as we enter the COVID-19 mental health crisis. Hassandarvish\textsuperscript{46} has argued that the country faces a “silent mental illness pandemic” and that it is the responsibility of the government and other stakeholders to come together urgently to address the crisis and prevent potential serious consequences for those who may be affected. Mental health plans already exist on paper and Midin et al.\textsuperscript{11} have laid out concrete goals and directions that can be followed to serve as guidelines in improving services peri- and post-COVID-19. The trends towards community based treatments\textsuperscript{9} that were occurring prior to the outbreak should continue to be supported.

One relevant way of integrating mental health treatment into the community would be to use more mobile units\textsuperscript{16,53} which are likely to be effective during and after COVID-19. For a number of years, Malaysia has had some mobile psychiatry teams that provide services in people’s homes. More of these units, equipped with a range of mental health professionals, could be put into operation. Investing more in telepsychology training, technology, promotion, and widespread dissemination has also been recommended with particular focus on vulnerable and disadvantaged groups, especially those who may be victims of the digital divide\textsuperscript{2}.

There also needs to be effective communication and collaboration across all relevant sectors and at all levels from the community members all the way up through the government\textsuperscript{16}. Never before has it been as crucial to implement “coordinated comprehensive mental health care”\textsuperscript{111} (p. 282) in the form of mental health promotion, prevention, early recognition of disorders, and effective treatment and aftercare services\textsuperscript{9,11,16}. Furthermore, there is a need for expanded training of mental health professionals\textsuperscript{9,51}, inter-agency collaboration, and increased services at all levels\textsuperscript{53}. There also needs to be more collaboration between government and educational institutions\textsuperscript{105}. The government, health and mental health sectors, policy makers, and academic experts need to engage in meaningful collaborations that lead to policies, resources, and actions to prevent future distress. This kind of multi-pronged approach will likely be the most effective at preventing dire mental health outcomes in the current crisis and beyond.

As a way forward, mental health professionals can assist in decreasing people’s distress from COVID-19 and help them recover faster mentally, emotionally, and physically. Vulnerable Malaysians such as medical staff, the elderly, those with existing physical and mental concerns, and those at risk of suffering from social isolation, substance abuse, domestic violence, and financial stressors merit special attention. There also need to be policies to support mental health professionals themselves to prevent burnout of which they were particularly susceptible even before the current pandemic\textsuperscript{54}. While there is a lack of research about mental health literacy and help seeking among Malaysians, both are likely to be low\textsuperscript{47} which may make the consequences of COVID-19 worse. While both the aforementioned literacy and help seeking behaviors are possibly on the rise\textsuperscript{11}, there is still a need for more mental health awareness, de-stigmatizing education, and multicultural appropriate mental health services\textsuperscript{16}. These multicultural issues must be taken into consideration when developing treatment and policies to help Malaysians cope with the adverse effects of the current pandemic.

The general public should “be empowered to play a more active role in maintaining their [mental] health” (p. 165) rather than only relying on mental health professionals\textsuperscript{9}. One way of doing that is by training lay people in psychological first aid which is likely to be helpful during pandemics in general and COVID-19 in particular\textsuperscript{40,55}. Providing psychological first aid training to as many people as possible, especially those who may be interacting frequently with the public, seems particularly pertinent given the rapid response the current crisis requires and the usual timescales required to train mental health professionals.

The previously mentioned hotline, other collaborations, and support measures that have been set up during the pandemic should continue to support the Malaysian population post-COVID-19 to help recuperate and build resiliency\textsuperscript{50}. It has been suggested that, despite some of the negative effects, there can also be positive impacts from this pandemic on Malaysians’ mental health\textsuperscript{31}; there are also possibilities of post-traumatic growth\textsuperscript{54}. COVID-19 may actually help Malaysians unite as they cope with the collective threat\textsuperscript{57}. We further that this can be an optimal opportunity to improve the mental health delivery and infrastructure of the country.

We echo and further Shanmugam et al.\textsuperscript{16,31} call for more empirical studies that explore how all stakeholders can better help those Malaysians psychologically affected by COVID-19. To date,
there have been no studies in Malaysia that have explored how COVID-19 and the MCO might affect Malaysians’ psychological well-being. In line with Qiu et al. 1 , we encourage investigation into the psychological distress caused by COVID-19 and we further propose that Malaysia needs to have a comprehensive plan for treating those affected through empirically based treatments.

CONCLUSION

In conclusion, we propose that researchers begin examining these issues in order to develop an empirically based response that will mitigate the mental health effects on the Malaysian population. Such studies have potential to not only help Malaysians but might have implications for other Asian countries or Asians living abroad. Furthermore, academics, the government, policy makers, and the health/mental health sectors should collaborate to come up with fast, effective, empirically-based solutions to lessen the potential harm.

Conflict of interest

The authors declare no potential conflict of interest.

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