Utilization of Mental Healthcare Services among Refugees: Past, Present and Future
Huaibo Xin
Department of Applied Health, Southern Illinois University Edwardsville, Campus Box 1126, SIUE, Edwardsville, IL62026, USA.

Abstract

There has been an increasingly large number of refugees in the U.S. and worldwide. Compared to the general population, historically, refugees presented a higher prevalence and incidence of mental disorders due to their traumatic/stressful experiences. However, the unmet needs of mental healthcare among refugees remain significant. The purpose of this study is to systematically review the current literature and identify the challenges that refugees were facing to receive mental healthcare in western countries as well as clinical and non-clinical approaches that may effectively address their mental healthcare needs. A total of 79 peer-reviewed journal articles, reports, and book chapters published between 1985 and 2018 and obtained from major databases were included in the final analysis. Data were extracted and synthesized into categories of barriers for refugees to utilizing mental healthcare in the U.S. and other western countries, and effectiveness of current approaches to address refugees’ mental illnesses. Results indicated that the vast majority of barriers existed in both U.S. and other western countries were common. In response, four themes emerged to improve refugees’ utilization of mental healthcare, including adopting effective westernized trauma-focused mental health treatment; recognizing traditional and culturally relevant mental health coping mechanism; overcoming existing practical barriers within both refugee communities and western mental healthcare systems; emphasizing comprehensive/integrative mental healthcare models. Future endeavor should focus more on systematically integrating planned cultural competency training and education into existing curriculum, strengthening the quality of mental healthcare research with refugees, and advocating for funding support for mental healthcare services, training, and research.

Key Words: Mental Healthcare, Refugees, Utilizations, Barriers, Solutions

Introduction

According to the United Nation Refugee Agency (UNHCR) (2018), currently, worldwide, approximately 65.6 million people have been forcibly displaced and hosted by countries or districts in Africa, Middle East and North Africa, Europe, Americas, and Asia and Pacific, which raised the annual financial burden up to 1.1 billion dollars in 2018 [1]. Among those, about 22.5 million people are refugees, and 55% of the refugees fled from countries, including Syria, Afghanistan, and South Sudan. More than 11 million refugees are under the age of 18. In the year of 2016,
Historically, compared to the general population, refugee population has presented a higher risk of suffering from mental disorders, including anxiety, depression, and/or post-traumatic stress disorder (PTSD) [3-7]. Results from 6,743 adult refugees from seven countries involved in 20 surveys between 1966 and 2002 were systematically reviewed. All refugees were resettled in western countries with more than 69% of the study participants were living in the U.S. PTSD was more significant than depression and anxiety, which indicated it could be ten times more prevalent among refugees than it was among age-matched general population in their resettlement countries [4]. A meta-analysis and systematic review further looked into the prevalence of depression and anxiety among both refugees and labor immigrants.

A total of 35 studies between 1990 and 2007 were chosen, and 24,051 multiethnic subjects immigrated to either eastern or western countries were included. A very majority of the subjects were adults, and about 62% of them immigrated to the U.S. Compared to the labor immigrants, refugees had twice higher prevalence rate of both depression and anxiety [5]. Respectively, 366 Hopkins Symptom Checklists were completed and received from 366 Iraqi refugee adults residing in Georgia, Michigan, California, and Texas. Approximately, 50% of the participants reported symptoms of depression, anxiety, and emotional distress, and 31% were at risk of PTSD [8]. Studies on Afghanistan refugees resettled in countries, such as U.S., Australia, Germany, UK, Japan, and Netherlands, found out that the prevalence rate of depression, anxiety, and PTSD were significantly high. Mental health measurements, including Hopkins Symptom Checklist, Beck Depression Inventory, and Center for Epidemiologic Studies Depression Scale, were adopted by these studies [3, 9]. Especially with Afghanistan refugee women, one study showed a much poorer mental health status among 423 women respondents than it was among 272 male respondents, and a statistically significantly higher prevalence rate in depression, anxiety, or PTSD among Afghanistan women [9]. Six studies examining more than 4,700 Bhutanese refugees’ mental health also indicated the predominant mental disorders as well as torture experiences [6]. Very similar results were found among many other refugee adult populations, including Iranians, Cambodians, Somali, and Hmongs, living all over the world [10-12]. These psychiatric symptoms can be carried over for decades due to the perseverant impact of pre-migration, migration, and post-migration traumas [12, 13].

Psychiatric distress is also prevalent among refugee children under the age of 18 [14-17]. In a comparative study, 101 refugee children in the age range of 5 to 18 were compared with age and gender matched 101 ethnic minority children and 101 white children living in U.K. The Strengths and Difficulties Questionnaire was used to measure the children’s mental distress. Respectively, refugee children were about 3 times more likely and 2 times more likely to develop psychiatric symptoms than ethnic minorities and Whites [16]. A total of 135 Somali refugee adolescents living in the U.S. responded to the UCLA PTSD Index and Depression Self-Rating Scale. A significantly high prevalence of both PTSD and depression were predicted among the participants, which was associated with their pre-resettlement accumulative trauma experiences and perceived discrimination and stress in their host country [15]. Recent systematic reviews of studies on children or youth’s mental health suggested the consistency of previous findings that indicated the significance of minors’ both susceptibility and severity of psychiatric disorders [14, 17]. For instance, a meta-analysis was conducted among 7,920 refugee children aged between 5 and 17 from 17 studies published between 1989 and 2007. The overall corresponding estimate of prevalence of PTSD, depression, and anxiety was 47%, 43%, and 27%.

Elevated occurrence of PTSD was also identified among Iran, Iraq, Israeli, Kuwait, and Palestine refugee minors [14]. Evidence has further demonstrated the unmet needs of addressing refugee populations’ mental health and demonstrated both disease and financial burden caused by their mental disorders [18-23]. Through a systematic review, this study is to synthesize the major barriers to the utilization of mental healthcare services among refugee populations and examine the effectiveness of current clinical and non-clinical approaches to address refugees’ mental healthcare needs.

Methods

Inclusion and Exclusion Criteria:

Peer-reviewed journal articles, reports, and books related to refugee adults’ and adolescents’, immigrants’,
and asylum seekers’ mental healthcare published between 1985 and 2018 and using qualitative, quantitative, or mixed research methods, systematic review, or meta-analysis were reviewed. Articles clearly discussing either barriers to utilizing mental healthcare and/or effectiveness of mental healthcare strategies among different international refugee populations resettled in western countries were reviewed. Both clinical and non-clinical mental healthcare approaches and coping mechanisms adopted by either clinicians or refugees themselves to manage symptoms of PTSD, depression, anxiety, and other mental distress, which explicitly demonstrated the effectiveness of mental healthcare strategies, were reviewed. Articles only discussing mental healthcare among asylum seekers or immigrants were excluded from the current study.

**Search Strategy**

A combination of “mental healthcare and refugees” was used as search words. Databases, including PubMed, Medline, Medline Plus, PsycINFO, EBSCO, and CINAHL, as well as Google Scholar were independently used to extensively search for the relevant peer-reviewed journal articles, reports, and book chapters. A total of 1,058 peer-reviewed journal articles, reports, and book chapters were initially reviewed, and 67 articles relevant to the effectiveness of both clinical and non-clinical approaches to alleviate the severity of refugees’ mental distress and 93 articles relevant to the barriers to utilizing mental healthcare among refugees in their host countries were selected for a further review. Only 79 peer-reviewed journal articles, reports, and book chapters were included in the final analysis. Among those, 32 articles explicitly discussed the barriers to utilizing mental healthcare services among refugees resettled in western countries, 47 articles illustrated the effectiveness of mental healthcare approaches, and 8 articles discussed both.

**Data Extraction and Synthesis**

Articles concerning refugee populations’ challenges of receiving mental healthcare were reviewed. Information was extracted based on the areas in refugees’ help-seeking behavior, refugees’ perceptions of mental healthcare, and availability, accessibility, and affordability of mental healthcare, which hindered refugees’ utilization of mental healthcare in a developed country. Information was then synthesized using theme analysis, and comparisons of barriers to utilizing mental healthcare were made between U.S. and other western countries. Articles indicating the effectiveness of a variety of mental healthcare approaches among refugees in western countries were also examined to identify the unique characteristics of effective clinical and non-clinical strategies, which were tailored to the refugees’ care, and were then compiled by theme.

**Results**

Table 1 presents the existing barriers to utilizing mental healthcare services among multiethnic refugee populations resettled in the U.S. [24-55]. Refugee populations hesitated to seek western mental healthcare was often because of a lack of knowledge and understanding of the westernized definition of mental health, the impact of traumas on their mental wellbeing, as well as the westernized terminologies of mental disorders and interpretation of symptoms [24-34]. They culturally interpreted that the causes of mental disorders were factors, such as “socio-environmental stressors” instead of internal or biological factors, and spirituality, and culturally explained their symptoms using physical discomforts [28-29, 30, 32, 33]. They believed mild psychiatric symptoms can be absorbed by talking to their family members [28]. There was also a lack of support from refugee patients’ family and community for them to seek professional mental healthcare [26, 28, 35]. In addition, refugees were not used to scheduling an appointment for their medical needs, having a long wait for their appointment, and following up with multiple counseling sessions for treatment, which was very different from the care they received in their home countries [24-30]. They also had a hard time navigating mental healthcare services in their host country and lacked awareness of their availability [24, 32, 37]. They hesitated to initiate a conversation with their mental healthcare providers about their past traumatic experiences due to their silent culture, mistrust of authorities, and concerns of confidentiality and privacy [25, 26, 29, 33, 34, 38]. They hesitated to fully disclose their psychiatric symptoms because of their concerns about stigmas of having mental disorders and fears of being separated from their families if being hospitalized [25, 27, 28, 31, 32, 34, 37, 38]. Some refugee groups also expressed concerns about the high medical costs, unacceptability of pharmaceuticals, and inconvenience of transportation to a care facility [27, 28, 37].

From the aspect of mental healthcare system, lack of professional interpreters/translators could prevent refugees from utilizing mental healthcare [24, 26, 27, 30, 32, 38], which had the language barrier remain to be a major concern among individual refugees [26, 28, 37, 38]. There was a high demand of culturally and linguistically competent healthcare workforce to provide refugees with culturally competent mental healthcare and cross-cultural diagnoses [24-27]. The current literature has indicated the diagnostic difficulties due to a lack of cross-cultural diagnostic skills and a lack of understanding of refugees’ cultural interpretation of psychiatric symptoms and their social, economic, and political background [24, 38]. Findings also revealed the needs of culturally appropriate and comprehensive mental health assessment for both adults and children [24] along with pinpointing other practical system challenges for refugees to receive the care, including lack of accessibility of health.
insurance to mental healthcare and inflexibility of mental healthcare facilities’ operation hours [27].

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<th>Study Population Age</th>
<th>Research Design</th>
<th>Authors and Year of Publication</th>
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Table 1 Cont.............

Table 1 Cont...........

Table 1: Barriers to Utilizing Mental Healthcare Services among Refugees Resettled in U.S.

The vast majority of challenges presented in the U.S. concerning refugees’ underutilization of mental healthcare services were also presented in other high-income western countries, including Canada, Australia, and UK (Table 2) [39-55].

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Table 2: Cont......
### Lack of trust of authorities

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### Culturally oriented health beliefs and interpretation of the causes of mental illnesses

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<td>Savic M., Chur-Hansen A., Mahmood MA., &amp; Moore V. (2016)</td>
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### Lack of understanding of the process and/or terminologies of western mental health treatment

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### Lack of knowledge of mental disorders and the impact of traumas on mental wellbeing.

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### Language barriers

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<td>Multiple countries</td>
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<td>Ellis HB., Miller AB., Baldwin H., &amp; Abdi S. (2011)</td>
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Table 2 Cont............
| Resistance to recall traumatized memories* | 1. Multiple countries | 1. Adults | 1. Primary research | 1. Franks W., Gawn N., & Bowden G. (2007) |

Table 2 Cont.........
In particular, in other western countries, the literature suggested how parental decision could impact their children and/or adolescents’ use of mental healthcare and emphasized the needs of involving parents in psychoeducation [41, 47, 51]. It described how a hospital environment could intimidate refugee patients and make them feel like a “cage” [43, 45]. It also described the refugee patients’ reluctance of recalling their traumatized memories [43]. Furthermore, few refugee groups identified that residential instability contributed to their underutilization of mental healthcare [47, 52], as well as identified the relationship between low family priority placed on mental health and the receipt of services [43, 44, 48].

In responding to the challenges faced by the refugees in western countries to utilize the mental healthcare, four themes emerged from the current literature that implied the potential solutions to the effectiveness of addressing mental disorders among refugee populations (Table 3): (1) Adopt effective westernized mental health treatment Psychotherapy has proven its effectiveness among refugee populations, which included Cognitive Behavioral Therapy (CBT), Narrative Exposure Therapy (NET), Cognitive Processing Therapy, Imagery Rescripting Therapy (ImRs), Treatment As Usual, Eye Movement Desensitization and Processing (EMDR), and other trauma-focused therapies/interventions [56-66]. A systematic review of 25 studies demonstrated the suitability of standard CBT and therapies with CBT forms for treating PTSD among adult refugee populations [58]. Ten randomized clinical trials including both refugee and asylum-seeker PTSD patients with multiple traumatic experiences were also critically reviewed. Both NET and CBT presented moderate evidence of support to the effectiveness of the treatment among both populations [57]. Most recent literature indicated the effectiveness of both ImRs and EMDR among refugees. Ten refugee PTSD patients in Netherland were invited for ImRs, which started with a memory of a traumatic or stressful event and then imagined an intervention in order to achieve a better outcome. Except for one patient, there was a significant improvement of PTSD symptoms among the rest of the group [64]. EMDR also started with a refugee participant recalling a traumatic experience but simultaneously

| Lack of culturally and/or linguistic competent mental healthcare providers | 1. Multiple countries  
2. Somali  
3. Multiple countries  
4. Multiple countries  
5. Multiple countries | 1. Adults  
2. Adults  
3. Adolescents  
4. Adults  
5. Adolescents | 1. Systematic review  
2. Primary research  
3. Primary research  
4. Primary research  
3. Anstiss et al. (2009)  
4. Donnelly et al. (2011)  
|---|---|---|---|---|
| Lack of mental health service providers* | 1. Sri Lanka  
2. Multiple countries  
3. Multiple countries  
4. Multiple countries | 1. Adults  
2. Adults  
3. Adults  
4. Adults | 1. Primary research  
2. Primary research  
3. Systematic review  
| Lack of professional interpreters and/or translator | 1. Multiple countries  
2. Multiple countries  
3. Multiple countries  
4. Multiple countries | 1. Adults  
2. Adults  
3. Adults | 1. Commentary  
2. Primary research  
3. Primary research | 1. Murphy et al. (2002)  
2. Franks W., Gawn N., & Bowden G. (2007)  
3. Donnelly et al. (2011) | |
| Discriminative attitudes and beliefs in practice* | 1. Somali  
2. Multiple countries | 1. Adults  
2. Adolescents | 1. Primary research  
2. Anstiss et al. (2009) | |

* indicates the themes particularly generated from the articles discussing the barriers in other western countries.

Table 2: Barriers to Utilizing Mental Healthcare Services among Refugees Resettled in Other Western Countries

In particular, in other western countries, the literature suggested how parental decision could impact their children and/or adolescents’ use of mental healthcare and emphasized the needs of involving parents in psychoeducation [41, 47, 51]. It described how a hospital environment could intimidate refugee patients and make them feel like a “cage” [43, 45]. It also described the refugee patients’ reluctance of recalling their traumatized memories [43]. Furthermore, few refugee groups identified that residential instability contributed to their underutilization of mental healthcare [47, 52], as well as identified the relationship between low family priority placed on mental health and the receipt of services [43, 44, 48].

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| Lack of culturally and/or linguistic competent mental healthcare providers | 1. Multiple countries  
2. Somali  
3. Multiple countries  
4. Multiple countries  
5. Multiple countries | 1. Adults  
2. Adults  
3. Adolescents  
4. Adults  
5. Adolescents | 1. Systematic review  
2. Primary research  
3. Primary research  
4. Primary research  
3. Anstiss et al. (2009)  
4. Donnelly et al. (2011)  
|---|---|---|---|---|
| Lack of mental health service providers* | 1. Sri Lanka  
2. Multiple countries  
3. Multiple countries  
4. Multiple countries | 1. Adults  
2. Adults  
3. Adults  
4. Adults | 1. Primary research  
2. Primary research  
3. Systematic review  
| Lack of professional interpreters and/or translator | 1. Multiple countries  
2. Multiple countries  
3. Multiple countries  
4. Multiple countries | 1. Adults  
2. Adults  
3. Adults | 1. Commentary  
2. Primary research  
3. Primary research | 1. Murphy et al. (2002)  
2. Franks W., Gawn N., & Bowden G. (2007)  
3. Donnelly et al. (2011) | |
| Discriminative attitudes and beliefs in practice* | 1. Somali  
2. Multiple countries | 1. Adults  
2. Adolescents | 1. Primary research  
2. Anstiss et al. (2009) | |
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Table 3 Cont........

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<td>Adults</td>
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<td>Adults</td>
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<td>Primary research</td>
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<td>Youth</td>
<td>Review</td>
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<td></td>
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<td>Not specified</td>
<td>Case report</td>
<td>Nazzal et al. (2014)</td>
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Table 3 Cont........

Table 3 Cont........
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<th>Location/Group</th>
<th>Methodology</th>
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| Enhancement of culturally responsive services                       | 1. Southeast Asia  
2. Cambodia  
3. Multiple countries | 1. Adults  
2. Not specified  
3. Adults | 1. Case report  
2. Review  
3. Primary research  
2. Chung RC. (2001)  
| Integration of ethnography approach in multicultural mental healthcare practice | 1. Multiple countries  
2. Bhutan | 1. Not specified  
2. Not specified | 1. Review  
2. Review  
| Integration of western and traditional treatment                    | 1. Cambodia  
2. Multiple countries | 1. Not specified  
2. Not specified | 1. Review  
2. Review  
1. Chung RC. (2001)  
2. Crosby SS. (2013) |
| Easy access to mental healthcare facilities                         | 1. Multiple countries  
2. Multiple countries | 1. Adults  
2. Adults | 1. Primary research  
2. Primary research  
| Empowerment of refugees with new culture                            | 1. Cambodia                     | 1. Not specified                     | 1. Review  
1. Chung RC. (2001) |
| Improvement of refugees’ foreign language proficiency               | 1. Multiple countries           | 1. Adults                           | 1. Primary research  
1. Mitschke et al. (2018) |
| Development of standardized screening/assessment tools               | 1. Multiple countries           | 1. Not specified                     | 1. Review  
| Comprehensive Mental Healthcare                                     | 1. Southeast Asia  
2. Southeast Asia  
3. Asia  
4. Multiple countries  
5. Multiple countries  
6. Multiple countries  
7. Multiple countries  
8. Syria  
9. Multiple countries | 1. Not specified  
2. Adults  
3. Not specified  
4. Not specified  
5. Youth  
6. Children and adolescents  
7. Children  
8. Not specified  
9. Adults | 1. Case report  
2. Case report  
3. Review  
4. Review  
5. Review  
6. Case report  
7. Review  
8. Case report  
9. Primary research  
5. Ellis HB., Miller AH., & Baldwin H., & Abdi S. (2011)  


1. Southeast Asia
2. Southeast Asia
3. Multiple countries
4. Multiple countries
5. Multiple countries

1. Not specified
2. Not specified
3. Not specified
4. Not specified
5. Children

1. Case report
2. Case report
3. Case report
4. Review
5. Review

1. Lum RG. (1985)
4. Weine SM. (2011)
5. Pacione L., Measham T., & Rousseau C. (2013)

1. Somali
2. Multiple countries
3. Multiple countries

1. Adults
2. Not specified
3. Children

1. Primary research
2. Review
3. Review


1. Southeast Asia
2. Multiple countries

1. Adults
2. Adults

1. Case report
2. Case report


Table 3: Approaches to the Effectiveness of Mental Healthcare among Refugees in Western Countries

were engaged in horizontal eye movement or other simulations [65], and it was implemented among Syria refugees using randomized controlled trial and was proven to be effective [65]. (2) Recognize traditional and/or culturally relevant mental health coping mechanism Besides seeking westernized mental healthcare, refugees in their host countries also practiced a variety of traditional and/or culturally relevant coping strategies which brought them comfort and safety [36, 42, 44, 46, 67-78]. Both religion and social support appeared to play an important role of alleviating refugees’ psychiatric symptoms [36, 37, 42, 44, 46, 67-73]. In one study, among 769 Tibetan refugee participants, practicing religion to cope with mental distress was most frequently used with 90% of the participants supporting this approach. About 77% of the participants would seek social support when they needed emotional support [69]. Refugees expressed their strong desire of talking to their families, peers, and friends when they were feeling down or troubled [36, 44, 67, 68, 72, 73]. Participants in one study emphasized the significance of being part of a community peer group which consisted of members from “cooking, sewing, bible reading, women’s, and senior groups [74].” The community peer group helped the participants get out of isolation, getting information about mental health and other health related issues, obtaining advice, and locating community services. They felt it was safe to share their experiences with each other within the group [74]. In addition, refugees also adopted many other coping strategies, including relaxation techniques (e.g., massage, meditation), dancing and listening to music, crying, exercising, reading and writing, self-analysis, and using Chinese or Southeast traditional medicine [36, 42, 46, 67, 68, 70-72, 74-78]. Several studies also stated the effectiveness of using acupuncture to treat symptoms of depression, anxiety, and PTSD [71, 72, 76]. (3) Overcome existing barriers Ways identified by the current studies to address and overcome existing barriers mainly focused on education, training, and partnership building [26, 42, 51, 72, 73, 79-96]. Educational interventions were developed to increase the awareness of the importance of mental wellbeing, knowledge of mental illnesses, and western models of treatment among refugee individuals, and their families and communities, reduce the stigma of having mental illnesses, and gain family and community support of mental healthcare especially with children and adolescents [26, 42, 51, 72, 80-85]. Family and community’s involvement in these interventions were highly valued [26, 42, 51, 72, 80, 81]. Cross-cultural psychiatric/competency training was also made available to mental healthcare providers and staff members for them to understand refugees populations’ cultural understanding and interpretation of mental disorders and their traditional practice of treatment at home or in their countries of origin in order to improve the patient-doctor
communication and the accuracy of assessment and diagnosis, integrate traditional care into western care, and meet refugees’ mental health needs [26, 79, 83, 86-88, 92]. Refugee community members, including individual refugees, key informants, group leaders, leaders of cultural organization, religious leaders, and professional interpreters, were partnering with practitioners to exchange cross-cultural perspectives of health and serve as a liaison between their community and the medical society to building a trustworthy relationship [51, 73, 74, 85, 89-92]. Studies also suggested integrating ethnographical approach into mental healthcare practice for researchers and practitioners to gain a better understanding of refugee populations [93, 94]; and integrating mental health services into existing services, such as school and primary care, to reduce stigma [51, 95, 96]. (4) Emphasize comprehensive/integrative mental healthcare models. More and more comprehensive and integrative mental healthcare models have been proposed and implemented [26, 42, 51, 55, 82, 84, 85, 87, 91, 97-112]. Effort was made to integrate social services, family outreach, school outreach, community outreach, and/or service advocacy into mental healthcare and facilitate multidisciplinary collaboration among professionals in healthcare, public health, social work, advocacy, and legal and political process [26, 42, 51, 55, 82, 85, 87, 91, 97-99]. One study illustrated the factors contributed to the successful mental health referrals among multiethnic refugee groups. Mental health providers were embedded in health or non-health settings to support an interdisciplinary coordinated care for refugees. An employment counselor could refer a refugee client internally to an onsite mental health provider in the same agency [85]. Providers were willing to give a refugee client with an initial assessment and/or follow-up services at the client home in order to provide responsive care and accommodate the client’s inconvenience of being physically present at the clinic. Sometimes, transportation was also arranged and offered by an agency to pick up a refugee client and send him/her to their providers. Multidisciplinary care was further expanded to meet refugee clients’ non-clinical needs, including helping them navigate additional services and resources, advocating for them, and assisting them in completing paperwork for medical assistance [85]. Comprehensive assessment, including psychiatric and medical history, trauma experiences, mental health and general health status, cognitive assessment, social function, and quality of life, were also suggested along with involving family members in the evaluation to have a better understanding of a refugee client for diagnosis and treatment if possible especially given the significance of family impact on an individual refugee [82, 84]. Interventions using community-based participatory approach have a long-lasting impact on improving refugee populations’ mental health. Community members took the ownership to develop their own culturally and linguistically competent and tailored mental health interventions which supported community capacity building, individual community members’ empowerment, and sustainability of the effects of the interventions [91, 98, 100-112].

Discussion

In 2015, United Nations High Commissioner for Refugees et al. published a guide for mental health and psychosocial support for refugees, asylum seekers and migrants on the move in Europe, included 12 principles (1) “treat all people with dignity and respect and support self-reliance”; (2) “respond to people in distress in a humane and supportive way;” (3) “provide information about services, supports and legal rights and obligations;” (4) “provide relevant psycho-education and use appropriate language;” (5) “prioritize protection and psychosocial support for children, in particular children who are separated, unaccompanied and with special needs;” (6) “strengthen family support;” (7) “identify and protect persons with specific needs;” (8) “make interventions culturally relevant and ensure adequate interpretation;” (9) “provide treatment for people with severe mental disorders;” (10) “do not start psychotherapeutic treatments that need follow up when follow up is unlikely to be possible;” (11) “monitoring and managing wellbeing of staff and volunteers;” and (12) “do not work in isolation: coordinate and cooperate with others [103].” Recommendations made by the World Psychiatric Association (WPA) and European Psychiatric Association (EPA) for immigrants and refugees were consistent with these 12 principles [104, 105]. Specifically, both WPA and EPA emphasized the critical needs of preparing a culturally competent mental health workforce, and a regular assessment of local refugees and immigrants’ mental health needs, and availability and accessibility of the services [103, 106]. It was suggested that cultural brokers or liaisons be hired and be part of the services, and cultural competent training be made mandatory for service providers and clinicians and be integrated into curriculum [104, 105].

As one of the largest refugee resettlement countries, based on the review, U.S. has experienced extremely similar challenges to the ones existed in many other western countries, including UK, Canada, and Australia. U.S. along with other western countries has been working on improving the availability, accessibility, and credibility of mental health services among refugees in their countries. The themes of the current endeavor in practice emerged from this systematic review to address refugees’ mental healthcare needs are clearly aligned with the proposed principles and recommendations, which included (1) adopting westernized mental health treatment that has been proven to be effective among refugees, such as different forms of trauma-focused therapies; (2) recognizing traditional and/or culturally relevant mental health coping mechanisms, such as religion, social support, and traditional healing practice, and integrate them into western treatment models; (3) acknowledging and removing existing cultural,
linguistic, and system barriers for refugee populations to effectively access and utilize the mental health services through educating and training both refugees and practitioners to enhance the practitioners’ understanding of cultural interpretation of mental illnesses, and their accuracy of assessment and diagnosis and provision of cultural responsive care, and improve refugees’ awareness of the importance of mental wellbeing and their acceptance of westernized treatment; as well as through establishing a trusting and long-term partnership between refugees and their families and communities, and practitioners; and (4) emphasizing comprehensive/integrative mental healthcare models by focusing on multidisciplinary collaboration of services and professionals in social work, public health, healthcare, advocacy, and legal and political process, and community-based participatory mental health interventions. However, more future endeavor needs to be devoted to systematically train the healthcare personnel and prepare a culturally competent workforce in order to assure the implementation of the policies and guiding principles and recommendations. The guidelines on mental health training of primary healthcare providers for trauma-exposed populations in conflict-affected countries sponsored by the International Society for Traumatic Stress Studies and Research And Development Cooperation (RAND) suggested that effective and quality training should emphasize multidisciplinary collaboration and participation in assessing training needs, planning training activities, designing cultural appropriate training curriculum, advocating for a policy change with mobilizing family and community’s involvement and using human rights as a framework; both the design and implementation of training should consider the cultural and socio-ecological contributions to mental health needs and understand the perceived mental health service needs in the community and the training needs among service providers; the training curriculum should be evidence-based with including both knowledge and skills for mental health, understanding of interaction between physical health and mental health, culturally appropriate treatments, skills for assessment and communication, awareness of confidentiality and trust, and awareness of community resources; and providing science and context-informed training with a proper selection of trainers and trainees, and training models and a careful plan for monitoring and evaluation of the training [106].

Although the primary focus of the current systematic review was to explore the existing barriers to the utilization of mental health services among refugees and potential solutions to the effectiveness of addressing their mental health needs, based on the findings, in addition to the training needs, more research/evaluation needs to be developed to further demonstrate the effectiveness of training curriculum, community-based mental health interventions, integrative care, traditional healing practice, as well as psychotherapies among different refugee populations with better study designs and larger sample sizes in order to provide solid evidence and guide evidence-based practice [107, 108]. Using biomedical model and epidemiology, research is needed to examine the psychopathology and demonstrate the cross-cultural credibility of clinical and non-clinical treatment along with more qualitative studies to explore the conceptualization of mental illnesses and mental health among refugees [104, 107].

While measures have been taken to address the barriers of the underutilization of mental healthcare among refugees in their host countries and address their mental health needs, the needs remain unmet especially given the significantly increasing number of refugees worldwide and the long-term impact of mental illnesses on refugees’ mental wellbeing and productivity, as well as on global and individual country’s burden of disease [1, 2, 18-23]. Refugee populations’ mental health needs are tremendous and ongoing. A report on an evaluation of the primary healthcare needs of refugees in south east metropolitan Melbourne, Australia in 2011 identified a strikingly high use of community-based mental health services among Burmese refugees, and stated that although local specialized mental healthcare particularly intended to address the high prevalence and incidence of mental illnesses among local refugees, a long patient waiting list and an apparent inadequacy of refugee-specialized psychologists and psychiatrists raised serious concerns about the local capacity of fully satisfying the refugees’ mental health needs [109]. In 2003, World Health Organization’s Project Atlas reported baseline information on 89 countries’ budget and financing on mental health services. About 32% of its 191 member countries did not have a specified budget for mental health, and 36% of 89 countries had a less than 1% of total health budget on mental healthcare. Although low-income countries tended to spend less money on mental healthcare, many high-income countries spent less than 5% of their health budget on mental health [110]. Countries spent more than 5% were also challenged by institutional and organizational barriers, lack of accountability, and other issues in terms of service delivery [110]. There was a significant imbalance between disease burden and resource allocation [110]. Findings suggested a serious consideration of budget increase on mental health services to increase service, training, and research opportunities, and emphasized more operational research studies should be done to examine the expenditure of mental healthcare among different populations, optimize the allocation of current resources, and provide policy development, implementation and evaluation, and service planning with empirical data and guidance [110], which were consistent with other study findings [111, 112].

Conclusions

Mental health services have been historically under-utilized among refugee populations in their resettlement countries. Resolutions to current challenges faced by many western countries associated with the underutilization
of services have focused on identifying and adopting effective trauma-centered therapies, removing existing practical barriers within both refugee communities and western mental healthcare systems, recognizing traditional and/or culturally relevant coping strategies, and delivering multifaceted multidisciplinary community-based participatory mental health interventions. More future endeavor should be dedicated to the areas of systematically integrating planned cultural competency training and education into existing curriculum, strengthening the quality of mental healthcare research with refugees, and advocating for funding support for mental healthcare services, training, and research.

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