From Consultation to Action: How Family Medicine and Social Workers Promote Health Literacy in Global Health Crises

Amal Mohammed Abdu[1], Sahab Fahad Muteb Alashgay[2], Mesfer Hossin Salim Al Zmanan[3], Mohammed Rakan Aldhafeeri[4], Mohammed Hamad Mohammed Alalhareth[5], Hadi Hassan Ali Alyami[6], Ibraheem Saleh Hamad Al Abbas[7], Nasser Mahdi Mohammed Alhaareth[8]

1. Family Medicine, Mursalat Primary Health Care, Riyadh
2. Social Worker, King Saud Medical City, Riyadh
3. Social Worker, Najran Health Cluster, Najran
4. Social Worker, King Khaled Hospital, Hafar Al-Batin
5. Social Worker, Maternity And Children Hospital, Najran
6. Social Specialist, Najran Maternity And Children's Hospital, Najran
7. Specialist-Sociology, King Khalid Hospital, Najran
8. Social Worker, Al Qabil Health Care Center, Najran

Abstract:
Health literacy is a cornerstone of effective global health crisis management, empowering individuals to make informed decisions and adhere to health protocols. Social workers and family medicine practitioners play critical roles in promoting health literacy by addressing misinformation, fostering trust, and providing culturally competent education. This review explores their collaborative efforts in enhancing public understanding, mitigating disparities, and integrating community resources during health emergencies. Strategies such as advanced technology adoption, targeted communication, and interdisciplinary collaboration are emphasized as pathways to strengthen health literacy and improve crisis outcomes globally.
Keywords: Health Literacy, Social Workers, Family Medicine, Global Health Crises, Misinformation, Culturally Competent Care, Community Engagement, Public Health Communication, Advanced Technology, Crisis Management

Aim of Work:
To examine the roles of social workers and family medicine practitioners in promoting health literacy during global health crises, assess the barriers to effective communication, and propose strategies to enhance public understanding, reduce disparities, and improve health outcomes through collaboration and innovative approaches.

Introduction

Health literacy is a critical component in managing global health crises, as it empowers individuals to make informed health decisions and engage in health-promoting behaviors. It encompasses the ability to access, understand, and use health information effectively, which is essential for both personal and public health outcomes. Health literacy is particularly important during health crises, such as the COVID-19 pandemic, where understanding and adhering to health guidelines can significantly impact the spread of disease. The importance of health literacy in global health crises can be explored through several key aspects.**Role in Health Crisis Management:**Health literacy enables individuals to comprehend and implement health measures, such as social distancing and vaccination, which are crucial during pandemics like COVID-19(Jr., 2023) ("[Health literacy and health crisis: the example of COVID-19].", 2022).It helps bridge the gap between complex health information and individuals' ability to use it, thereby reducing health disparities and promoting health equity(Zanobini et al., 2024) (Singh et al., 2024).**Impact on Health Disparities:**Low health literacy is linked to increased health disparities, particularly among socio-economically disadvantaged groups, who may struggle to access and understand health information ("[Health literacy and health crisis: the example of COVID-19].", 2022) (Singh et al., 2024).Enhancing health literacy can mitigate these disparities by equipping individuals with the knowledge to make informed health decisions, thus promoting social sustainability (Zanobini et al., 2024).**Strategies for Improvement:**Integrating health literacy into education and healthcare professional training is crucial for promoting sustainability and preparedness for future health crises (Zanobini et al., 2024).Governments and private sectors should invest in healthcare infrastructure and support healthcare professionals to improve health literacy, especially in rural areas (Jr., 2023) (Cordero, 2023).

Social workers and family medicine practitioners play crucial roles in promoting health literacy, which is essential for improving public health outcomes and reducing health disparities. Health literacy involves the ability to access, understand, and use health information effectively. Both social workers and family medicine practitioners contribute to enhancing health literacy through various interventions and strategies. Below are the

Amal Mohammed Abdu, Sahab Fahad Muteb Alashgay, Mesfer Hossin Salim Al Zmanan, Mohammed Rakan Aldhafeeri, Mohammed Hamad Mohammed Alalhareth, Hadi Hassan Ali Alyami, Ibraheem Saleh Hamad Al Abbas, Nasser Mahdi Mohammed Alhaareth

key roles and contributions of these professionals in promoting health literacy.**Roles of Social Workers:**Identification and Assessment: Social workers are trained to recognize clients with low health literacy and assess their needs and barriers. This involves understanding the sociopsychological determinants that affect health literacy, such as socioeconomic status and cultural competence (Wang & Zhang, 2024) (Ürgün& Yildirim, 2020).Intervention Levels: Social workers implement health literacy interventions at micro, mezzo, and macro levels. Micro-level interventions focus on providing individuals with necessary health information. Mezzo-level interventions ensure efficient use of health resources, while macro-level interventions aim to reduce health inequalities (Ürgün& Yildirim, 2020).Education and Empowerment: Social workers educate and empower patients and their families, contributing to the development of health services and personnel. This is crucial for strengthening the health literacy of communities (Ürgün& Yildirim, 2020).**Roles of Family Medicine Practitioners:**Patient Communication: Family medicine practitioners are pivotal in communicating effectively with patients to elicit long-term behavioral changes. They are trained to address the challenges associated with health literacy and implement simple steps to improve patient care (Shah, 2021).Health Promotion Programs: These practitioners often lead or participate in health promotion programs and community-based initiatives that aim to enhance health literacy. They work closely with patients to ensure they understand and can act on health information (Wang & Zhang, 2024).Interdisciplinary Collaboration: Family medicine practitioners collaborate with social workers and other healthcare professionals to develop and implement multifaceted approaches to tackle health literacy disparities (Shah, 2021).

➢ **Health Literacy in Global Health Crises**

Overview of health literacy and its components: Health literacy is a multifaceted concept that encompasses the ability of individuals to access, understand, evaluate, and use health information effectively to make informed health decisions. It is not merely about reading or writing but involves a range of cognitive and social skills that influence one's capacity to engage with health information and services. Health literacy is crucial for promoting individual autonomy in health management, improving quality of life, and reducing healthcare costs. The following sections delve into the components and implications of health literacy.**Components of Health Literacy:** Accessing Information: The ability to locate and retrieve relevant health information from various sources, including digital platforms and healthcare providers (Brun et al., 2024) (Szewczuk, 2024).Understanding Information: Comprehending health-related information, which requires basic literacy and numeracy skills, as well as the ability to interpret medical terminology (Paris et al., 2024) (Gutiérrez & Juste, 2024).Evaluating Information: Critically assessing the credibility and relevance of health information to make informed decisions (Braunack-Mayer, 2024) (Gutiérrez & Juste, 2024).Using Information: Applying the acquired knowledge to manage health conditions, adhere to treatment plans, and engage in preventive health behaviors (Brun et al., 2024) (Paris et al., 2024).**Implications of Health Literacy:** Health Outcomes: Higher health literacy is associated with better health outcomes, including reduced risk behaviors, improved management of chronic diseases, and lower morbidity and mortality rates(Brun et al., 2024) (Szewczuk, 2024).Healthcare System: Enhanced health literacy can lead to more efficient use of healthcare services, reducing system overload and costs (Gutiérrez & Juste, 2024).Educational Interventions: Programs aimed at improving health literacy should be culturally sensitive and continuously evaluated for effectiveness, especially in the digital age (Gutiérrez & Juste, 2024).

The critical role of health literacy in *Global Health* crisis response and prevention: Health literacy plays a pivotal role in responding to and preventing global health crises by empowering individuals to make informed health decisions, thereby improving health outcomes and reducing disease transmission. It involves the ability to access, understand, and apply health information effectively, which is crucial during health emergencies like pandemics. Enhanced health literacy can lead to better adherence to health protocols, improved disease prevention, and more efficient use of healthcare resources. The following sections elaborate on the critical aspects of health literacy in global health crisis response and prevention.**Importance of Health Literacy in Crisis Response:** Health literacy improves health outcomes by enabling individuals to make informed decisions, take preventive measures, and efficiently use healthcare systems (Shoyemi et al., 2024).During the COVID-19 pandemic, health literacy was essential for understanding and following health advice, which was crucial for controlling the spread of the virus (Bem, 2023).**Health Literacy and Disease Prevention:** Health literacy empowers individuals and communities to recognize disease risk factors and adopt preventive practices, reducing the incidence and mortality of diseases (Chimezie, 2023).It is a key strategy for promoting global health and improving access to care, especially in low- and middle-income countries where health literacy is often underemphasized (Chimezie, 2023).

Challenges in promoting health literacy during global emergencies: Promoting health literacy during global emergencies presents several challenges, as highlighted by the COVID-19 pandemic. Health literacy (HL) is crucial for enabling individuals to make informed health decisions, yet its promotion is hindered by various factors, including socio-economic disparities, misinformation, and inadequate infrastructure. These challenges are exacerbated during global emergencies, where rapid dissemination of accurate information is vital. The following sections outline key challenges in promoting health literacy during such crises.**Socio-Economic**

Disparities:A significant portion of the population, particularly those in socio-economically disadvantaged groups, struggles with low health literacy, which impedes their ability to understand and implement health measures ("[Health literacy and health crisis: the example of COVID-19].", 2022).These disparities are intensified during emergencies, as vulnerable populations face greater exposure to health risks and limited access to health services (Dias, 2022).**Misinformation and Infodemic:**The COVID-19 pandemic has been characterized by an "infodemic," where the spread of misinformation complicates efforts to promote accurate health literacy (Sentell et al., 2020).Distinguishing between useful and useless information becomes challenging, necessitating enhanced efforts to ensure that individuals can access and utilize reliable health information (Dias, 2022).**Inadequate Health Infrastructure:**Many regions, especially rural areas, lack sufficient health infrastructure, which hampers the dissemination of health literacy initiatives (Jr., 2023).Investment in healthcare facilities and training for healthcare professionals is essential to improve health literacy and prepare for future health crises (Jr., 2023).

➤ **Roles and Contributions**

Family Medicine Practitioners:Providing patient-centered education and guidance: Family medicine practitioners play a crucial role in providing patient-centered education and guidance, which is essential for effective healthcare delivery. This approach emphasizes the holistic treatment of patients, considering their physical, emotional, and social needs. Family medicine practitioners are trained to foster a continuous, trusting relationship with patients, which is vital for effective patient education and shared decision-making. This patient-centered approach is particularly important in managing chronic conditions and promoting overall health and well-being. The following sections elaborate on the key aspects of patient-centered education in family medicine.**Holistic and Compassionate Care:**Family medicine emphasizes a generalist approach, focusing on the whole person, family, and community, which is integral to patient-centered education (Hashim, 2022).Practitioners are trained to provide compassionate care, building a bond of trust with patients, which facilitates effective communication and education (Hashim, 2022).**Effective Management of Chronic Conditions:**Family medicine practitioners play a significant role in managing chronic conditions such as obesity, diabetes, and hypertension through patient education and lifestyle modifications (Armanyous&Moursi, 2023).Interventions in family medicine have been shown to significantly reduce weight and BMI, improving obesity-related comorbidities (Armanyous&Moursi, 2023).**Training and Educational Programs:**Training programs for family medicine practitioners include patient-centered communication, shared decision-making, and holistic care, which are crucial for effective patient education (Hashim, 2022).Educational programs should incorporate self-care and provider wellness to ensure practitioners can deliver high-quality family-centered care (Kross & Hough, 2018).

Addressing misinformation and promoting evidence-based practices: Family medicine practitioners play a crucial role in addressing misinformation and promoting evidence-based practices, especially in the digital age where information is abundant and often unreliable. Evidence-Based Medicine (EBM) provides a structured framework for family physicians to evaluate and apply reliable information in clinical practice. This approach is essential for ensuring high-quality patient care and combating misinformation, particularly in areas like vaccination where misinformation is prevalent. The following sections outline key strategies and challenges faced by family medicine practitioners in this endeavor.**Importance of Evidence-Based Medicine :**EBM integrates the best clinical research evidence with clinical expertise and patient values, facilitating informed decision-making in medical practice (Pohl, 2015).It employs a hierarchy of evidence to categorize research by reliability, aiding in clinical decision-making and ensuring that medical practices are based on the most robust evidence available(Arman, 2024).**Challenges in Implementing EBM :**Despite awareness, the adoption of EBM can be slow due to the overwhelming volume of new research and the difficulty in differentiating high-quality studies(Pohl, 2015) (Liew & Ng, 2013).In some regions, such as Malaysia, awareness and practice of EBM are limited, highlighting the need for improved education and resources for family physicians (Liew & Ng, 2013).**Combating Misinformation :**Family physicians must critically evaluate information sources, especially in the context of vaccine misinformation, which is exacerbated by the internet and social media (Middleton et al., 2013).Educational initiatives and platforms dedicated to verifying claims can help counter misinformation, emphasizing the importance of media and health literacy (Arman, 2024).

Building trust through long-term patient-provider relationships: Building trust through long-term patient-provider relationships is a cornerstone of family medicine, fostering improved patient outcomes and satisfaction. These relationships are characterized by continuity, mutual respect, and a deep understanding of the patient's history and needs. Trust is cultivated over time, allowing for more effective and personalized care. The following sections explore the key elements that contribute to building trust in family medicine.**Deep Relationships and Trust :**Deep GP-patient relationships are marked by professional care, human connection, and going "above and beyond" for patients. These relationships provide a sense of safety and support, especially during times of patient vulnerability (Thomas et al., 2023).Trust is a critical component, as it allows patients to feel secure and understood, which is essential for effective care and patient satisfaction (Thomas et al., 2023).**Patient Engagement and Continuity :**Patient engagement tools, such as patient portals and automatic

reminders, enhance communication and continuity, which are vital for building trust. However, barriers like limited time and resources can hinder these efforts (Fulda et al., 2023).Continuity of care is particularly valued by patients with long-term conditions, as it ensures that their GP is familiar with their medical history and can provide consistent advice and care (Murphy & Salisbury, 2020).

Social Workers: Social Workers role in Advocacy for vulnerable populations: Social workers play a pivotal role in advocating for vulnerable populations by addressing social injustices and facilitating access to essential services. Their advocacy efforts are crucial in empowering marginalized groups, promoting social change, and ensuring that vulnerable individuals can achieve self-actualization despite societal challenges. Social workers engage in various activities, from direct service provision to influencing policy changes, to support these populations effectively. Below are key aspects of their role in advocacy:**Empowerment and Social Change:**Social workers empower vulnerable populations by promoting self-reliance and addressing inequalities, particularly in rural and remote areas where government services are lacking (Sharma, 2024).They help individuals recognize their strengths and potential, fostering an understanding that thriving is possible despite societal minimization (Martínez-Acosta, 2023).**Advocacy for Social Rights:**Social workers assist service-users in obtaining their rights, guided by national policies and professional ethics. This involves navigating organizational milieus, leveraging individual capacities, and building strong working alliances with service-users (Levin, 2023).Their advocacy is informed by a deep understanding of the socio-political context and is aimed at ensuring equitable access to social rights (Levin, 2023).**Political Engagement:**Historically, social workers have been involved in political advocacy, addressing issues like women's rights and child labor. Despite concerns about professional status and legality, political engagement is now seen as essential for effecting policy changes that benefit vulnerable groups (Toper, 2022).

Culturally competent communication and education: Social workers play a pivotal role in culturally competent communication and education, which is essential for effective service delivery in diverse communities. Cultural competence involves understanding and respecting cultural differences, which is crucial for building trust and fostering positive relationships with clients. Social workers must be adept at intercultural communication to address the unique needs of clients from various cultural backgrounds. This involves not only understanding cultural nuances but also implementing strategies that promote inclusivity and equity in service provision. The following sections elaborate on the role of social workers in culturally competent communication and education.**Intercultural Communication:** Social workers must develop skills in intercultural communication to effectively engage with clients from diverse backgrounds. This is particularly important in regions experiencing an influx of asylum seekers, such as Albania, where social workers face unique challenges in addressing the needs of culturally diverse populations (Dhamo & Canaj, 2024).Effective intercultural communication involves understanding cultural symbols, practices, and the meanings they hold, which can significantly impact client interactions and outcomes(Attipoe, 2024).**Education and Training:** Cultural competence is a critical component of social work education, with various models and techniques proposed to teach these skills in bachelor's and master's programs. These educational efforts aim to enhance practitioners' self-efficacy in applying cultural competence skills (Williams & Lee, 2024).Training programs often utilize diverse methods and assessments, such as the Multicultural Counseling Inventory, to measure cultural competence and ensure practitioners are well-equipped to serve marginalized communities (Uher et al., 2023).

Coordination of community resources and support networks: Social workers play a pivotal role in coordinating community resources and support networks, acting as essential connectors between individuals, families, and the broader community. Their work involves identifying needs, planning interventions, and facilitating access to resources, which are crucial for promoting social welfare and community well-being. Social workers employ a variety of strategies to ensure that individuals and communities can access the support they need, thereby enhancing their capacity for self-reliance and empowerment. The following sections detail the specific roles and strategies employed by social workers in this context.**Problem Identification and Intervention Planning:** Social workers are responsible for identifying the needs of individuals and families facing social, economic, and health challenges. They develop intervention plans tailored to these needs, ensuring a comprehensive approach to support (Hasibuan et al., 2024).They act as liaisons between individuals and available resources, coordinating with both governmental and non-governmental organizations to provide holistic support (Hasibuan et al., 2024).**Utilization of Social Networks:** Social workers leverage social networks to enhance their practice, using these networks to identify resources and support systems within the community. This approach helps in empowering individuals and fostering community cohesion (Alvarez, 2019).Techniques such as empowerment and the analysis of social networks are fundamental to their professional practice, enabling them to effectively intervene and support community members(Alvarez, 2019).**Community Engagement and Empowerment:** Social workers encourage community participation and social cohesion, promoting self-determination and the use of indigenous knowledge. This developmental approach supports the psychosocial well-being of communities (Westhuizen, 2023).They engage with educational institutions and local agencies to link students and families with necessary resources, thereby

addressing stressors and improving quality of life("Social Workers Developing Relationships and Linking Students, Families, and Teachers to Local Resources 1", 2022).

➢ **Barriers to Promoting Health Literacy**

Limited access to reliable health information in underserved areas: Limited access to reliable health information in underserved areas during global health crises is a significant challenge that exacerbates health disparities. This issue is particularly pronounced in rural and low-income communities, where structural and social barriers hinder effective communication and dissemination of health information. The COVID-19 pandemic has highlighted these challenges, prompting innovative solutions to bridge the information gap. The following sections explore the barriers and potential solutions to improving health information access in underserved areas.**Barriers to Health Information Access:**Cultural and Educational Barriers: In rural settings, cultural sensitivity and educational disparities significantly impact the effectiveness of health information dissemination. Tailoring information to meet the cultural and educational context of these communities is crucial (Mwangakala, 2023).Media and Technological Limitations: Limited access to traditional media and the internet in rural areas restricts the reach of public health campaigns. This was evident during the COVID-19 pandemic, where rural populations in India had inadequate awareness of symptoms and preventive measures (Annapureddy et al., 2023).Mistrust and Skepticism: Low-literate communities often exhibit mistrust towards health information, which can hinder engagement with reliable sources (Raza et al., 2022).**Innovative Solutions:**Mobile Health (mHealth) Applications: mHealth apps have shown promise in providing accessible health information in rural areas. In Zimbabwe, a prototype mHealth app was developed to deliver COVID-19 information, demonstrating high user engagement and perceived usefulness (Maphosa, 2022).Voice-Based Social Media Platforms: In Pakistan, a voice-based platform was designed to engage low-literate communities with COVID-19 information, using strategies to overcome mistrust and encourage information sharing (Raza et al., 2022).Community-Based Initiatives: Self-help groups and local hospitals play a crucial role in disseminating health information and bridging communication gaps in rural areas (Annapureddy et al., 2023).

Time constraints for healthcare providers: During global health crises, healthcare providers face significant time constraints due to increased workloads, resource limitations, and the need for rapid response to evolving situations. These constraints are exacerbated by the necessity to adapt to new protocols and manage both patient care and personal safety. The complexity of these challenges requires innovative solutions and strategic planning to ensure effective healthcare delivery. Below are key aspects of time constraints faced by healthcare providers during such crises:**Increased Workload and Scheduling Challenges:**Healthcare workers experience heightened workload pressures, including longer hours and increased patient-to-nurse ratios, which can lead to burnout and decreased efficiency (Doleman et al., 2023).Hospitals must adapt physician schedules to account for infection risks and potential quarantines, often using constraint-solving technologies to optimize scheduling and maintain operational continuity (Geibinger et al., 2021).**Resource Allocation and Management:**Effective patient-to-hospital allocation is crucial, especially when resources such as medical staff, beds, and transportation are limited. Models like Binary Integer Programming (BIP) help optimize these allocations to ensure timely treatment (Sitek &Wikarek, 2020).Strategic planning, including the establishment of new pandemic hospitals and resource reallocation, is essential to manage demand uncertainty and improve response effectiveness (Erişkin et al., 2022).

Misinformation and distrust in healthcare systems: Misinformation and distrust in healthcare systems during global health crises are significant challenges that can exacerbate the impact of such crises. The spread of misinformation, often termed an "infodemic," complicates the public's ability to discern reliable information, leading to confusion and mistrust in healthcare systems. This issue is compounded by societal factors such as hyperpolarization and structural shifts in media, which further erode trust in public health authorities (Kirk, 2024). The COVID-19 pandemic highlighted these challenges, with misinformation about treatments like hydroxychloroquine leading to harmful outcomes and underscoring the fragility of public health systems under pressure (Silva, 2024).**The Role of Misinformation:**Infodemic: The overabundance of information, both accurate and false, makes it difficult for the public to identify trustworthy sources, leading to confusion and mistrust (Kirk, 2024).Disinformation: Intentional dissemination of false information, such as antivaccine narratives, can significantly reduce vaccine uptake and increase public health risks (Baigrie & Mercuri, 2024).Social Media Influence: Platforms like Facebook and Twitter amplify misinformation, necessitating regulatory measures to mitigate its spread (Baigrie & Mercuri, 2024).**Impact on Public Trust:**Erosion of Trust: Misinformation can lead to skepticism and distrust in healthcare systems, as seen with the COVID-19 pandemic (Clemente-Suárez et al., 2022).Healthcare System Strain: Disinformation can exacerbate the challenges faced by healthcare systems, leading to management errors and reduced quality of care (Bednarczyk-Haase &Kopczewski, 2023).

➢ **Case Studies and Successful Interventions**

The promotion of health literacy (HL) is crucial in managing global health crises, as demonstrated by various case studies and interventions across different countries. Social workers and family medicine practitioners play a pivotal role in this process by implementing strategies that enhance public understanding and engagement with

health information. This answer explores successful interventions in Malaysia, the Philippines, and Europe, highlighting the collaborative efforts between healthcare professionals and communities to improve HL.

Malaysia: The Malaysian community effectively managed the COVID-19 pandemic by adopting innovative healthcare delivery methods, such as telemedicine and drive-through pharmacies. These initiatives were complemented by continuous health education and awareness campaigns, which were crucial in promoting HL despite limited resources(Jr., 2023) (Cordero, 2023).

Philippines: In the Philippines, the low level of HL was evident during the national elections, where mass gatherings occurred without adherence to health protocols. This highlighted the need for comprehensive interventions focusing on both prevention and treatment, including public education on health-promoting behaviors and the importance of following safety measures(Jr., 2023) (Cordero, 2023).

Europe: In Europe, a significant portion of the population struggles with HL, particularly among socio-economically disadvantaged groups. This gap necessitates massive investments in education and health promotion to minimize the impact of health crises and reduce inequalities. The focus is on long-term strategies to enhance HL and empower communities to make informed health decisions("[Health literacy and health crisis: the example of COVID-19].", 2022).

> **Role of advanced technology and AI during Global Health crises**

Advanced technology and AI play a crucial role in managing global health crises by enhancing disease detection, monitoring, and response capabilities. AI technologies, such as machine learning and natural language processing, have transformed global health surveillance systems, enabling more efficient and accurate public health strategies. These technologies have been particularly effective in predicting and managing disease outbreaks, as demonstrated in various case studies. However, the integration of AI into health systems also presents ethical and technical challenges that need to be addressed for its responsible implementation (AWOFALA, 2024).**Disease Detection and Monitoring:**AI applications can anticipate outbreaks by integrating diverse datasets, such as social media, meteorological data, and mobile phone movement data (McKee et al., 2024).AI models analyze large amounts of data quickly, revealing complex trends and patterns beyond human capability, which supports early detection of infectious diseases (Panah, 2023).**Crisis Management and Response:**During the COVID-19 crisis, AI technologies were used to track and record the crisis, enabling rapid intervention and management through timely alerts (Khalifa et al., 2024).AI-powered tools optimize healthcare delivery by managing resource allocation and reducing healthcare workers' exposure to risks (McKee et al., 2024).**Public Health Decision-Making:**AI supports public health decision-making by simulating the social and economic impacts of different policy interventions, aiding policymakers in evaluating complex scenarios (McKee et al., 2024).AI-generated health communications have been shown to be more effective than human-generated messages in some cases, enhancing public health messaging (McKee et al., 2024).

> **Strategies for Improvement**

Developing targeted health communication strategies: Developing targeted health communication strategies during global health crises is crucial for effectively managing public health responses and mitigating misinformation. Effective communication can enhance public trust, ensure compliance with health guidelines, and address the needs of vulnerable populations. The following sections outline key strategies and considerations for developing such communication strategies.**Trust and Transparency:**Building trust in leaders and health authorities is essential for effective communication. Transparent, fact-based messaging can help establish credibility and accountability, reducing the impact of misinformation (Sen & Ahmed, 2024) (Su et al., 2022).Consistent messaging across different platforms and international collaboration can prevent mixed messages and enhance public confidence in health directives (Su et al., 2022).**Addressing Misinformation:**Misinformation during health crises can lead to confusion and noncompliance. Strategies to counter misinformation include enhancing health literacy, using digital technology, and implementing fact-checking mechanisms (Kısa&Kısa, 2024).Social media and traditional media are major conduits for misinformation. Targeted health campaigns and community engagement can help address misinformation and promote accurate information (Kısa&Kısa, 2024).**Targeting Vulnerable Populations:**Vulnerable groups, such as older adults, children, and marginalized communities, require tailored communication strategies. Risk Communication, Community Engagement, and Infodemic Management (RCCE-IM) strategies can help address their specific needs and ensure equitable access to information (Aslan, 2024).Listening to the concerns of vulnerable populations and avoiding discriminatory language are crucial for effective communication (Aslan, 2024).

Leveraging technology and media for widespread information dissemination: Technology and media have become pivotal in disseminating information during global health crises, as evidenced by their role in the COVID-19 pandemic and the 2014 Ebola outbreak. These platforms have facilitated rapid communication, influenced public perceptions, and supported health campaigns, although they also present challenges such as misinformation. The integration of traditional and digital media has been crucial in shaping public understanding and behavior during health emergencies. Below are key aspects of leveraging technology and media for information dissemination during such crises.**Role of Media in Health Awareness:**Media channels,

both traditional and digital, have been instrumental in spreading public health information, influencing health behaviors, and combating misinformation during the COVID-19 pandemic(Kumar & Bhardwaj, 2024).Global media coverage has significantly impacted public perceptions and understanding of the epidemiological situation, as seen in the comprehensive analysis of COVID-19 media coverage across 67 countries (Chen et al., 2024).**Digital Communication by Public Institutions:**Public health institutions, such as the World Health Organization and national health ministries, have utilized social media platforms like Twitter to communicate during crises. These efforts have varied in terms of content consistency and sentiment, reflecting different crisis communication strategies (Savaş &Tunçay, 2023).**New Media Technologies in Epidemics:**During the 2014 Ebola outbreak, new media technologies facilitated cooperation among various parties, simplified epidemic control planning, and strengthened disease control efforts. However, they also contributed to misinformation and vaccine hesitancy (Yao, 2024).

Collaborating with community leaders to build trust and engagement : Collaborating with community leaders during global health crises is crucial for building trust and engagement, which are essential for effective crisis response. Community leaders can act as bridges between health authorities and the public, facilitating communication and fostering cooperation. This collaboration can lead to more tailored and culturally sensitive interventions, enhancing the overall effectiveness of health responses. The following sections outline key strategies and considerations for engaging community leaders in health crises.**Importance of Trust and Engagement:**Trust is a fundamental component in crisis response, acting as a binding force that unites communities and fosters participation (Correia, 2024).Building trust involves consistent communication, transparency, and addressing community-specific concerns (Bollyky&Bollyky, 2024) (Correia, 2024).Engaging community leaders can help sustain existing trust and promote cooperation, especially in communities with historical mistrust of authorities (Bollyky&Bollyky, 2024).**Strategies for Effective Collaboration:**Co-developing interventions with community leaders ensures that health messages and strategies are culturally relevant and meet community expectations (Luk'yanov, 2023).Involving community members in all response steps increases resilience and helps build trust, leading to better health outcomes (Sahani et al., 2024).Tailoring local policies and building partnerships with community institutions can help overcome cooperation challenges (Bollyky&Bollyky, 2024).**Case Studies and Examples:**In Himachal Pradesh, India, local solutions minimized the impact of COVID-19, demonstrating the effectiveness of community-led interventions (Luk'yanov, 2023).In Cameroon, community dialogues increased vaccine acceptance, highlighting the importance of socio-anthropological research in understanding community needs (Luk'yanov, 2023).The Ebola response in the Democratic Republic of Congo showed that community ownership and partnership with response teams can rebuild trust and infrastructure (Luk'yanov, 2023).

Conclusion:

Promoting health literacy during global health crises requires the combined efforts of social workers and family medicine practitioners. Their collaboration addresses critical challenges, including misinformation, cultural barriers, and inequitable access to reliable health information. Leveraging technology, engaging community leaders, and fostering interdisciplinary approaches are essential to building trust and empowering individuals to make informed health decisions. By investing in health literacy initiatives and infrastructure, healthcare systems can enhance their resilience and ensure better preparedness for future health emergencies.

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