Comprehensive Review of Health Security, Social Work Integration, and Health Assistants in Strengthening Community Healthcare Systems

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Abstract

This review looks at the involvement of health security measures and the incorporation of social workers and health assistants in community healthcare organizations. It looks at the synergistic effects that exist when implementing those approaches in enhancing accessibility, efficiency, and general health status. Several cases from around the world are examined to demonstrate how interdisciplinary solutions can be used to build resilience in communities. The research evidence unveils ways of enhancing investment in social work and health assistants for an improved delivery of resource-efficient and patient-focused care. Suggestions for future frameworks are presented.

Keywords: *Health Security, Social Work, Health Assistants, Community Healthcare Systems, Interdisciplinary Collaboration, Health Equity, Public Health Workforce.*

Introduction

Community healthcare systems are basic components of the universally recognized goals of delivering quality health services to minority and other vulnerable groups. They are instrumental functions of public health since they target specific health needs of the community and respond to them in a timely manner, enhancing the general health of the community. However, the modality of providing healthcare has been strained in this century due to emerging health crises such as pandemics, increasing epidemics of chronic diseases, and scarcity of funds and resources, among other things(Bhaumik et al., 2020). All these challenges call for health security, social work, better integration, and healthy assistance as pillars for building community health systems.

Public health security systems are anticipatory measures to mitigate, identify, and combat threats to the health of the public. All these frameworks are crucial in the establishment of communities' health emergencies. Such programs include vaccination, disease notification, and health promotion that keep society ready for disastrous diseases and other health challenges. For instance, programs of surveillance have been deemed essential in the identification and prevention of the spread of infectious diseases in many parts of the world today. In such settings as low-income countries, however, the above measures lack the infrastructure and funding required to execute them effectively, leading to the need to fill the gap through community-based health security interventions.

The incorporation of social work practices in health institutions has now presented itself as the ideal strategy for managing the social factors that influence health. Social workers serve as a link between patients and

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healthcare professionals by empowering the vulnerable and other client groups, as well as facilitating care delivery and offering mental health services. They include such features as poverty, illiteracy, and even the stigma of mental diseases, which are the main barriers to proper medical treatment. For example, in the areas where social work has been integrated, treatment compliance has been proven to have greatly improved, especially among patients with chronic diseases and mental disorders. Its integration is also beneficial for patients and healthcare organizations, along with improving care equality.

Moreover, health assistants are now helpful in taking services of health care to the needy community or those lacking areas. Health assistants are members of the health workforce who give out information, mainly educate patients, perform preliminary health care, and help in data compilation. They are most useful in areas that are inaccessible or have a scarce number of doctors. Another major area is maternal and child health, disease prevention, and control programs, as well as community-based monitoring; therefore, health assistants improve health.

As the thesis of this paper, this paper discusses the health security frameworks, social work integration, and health assistants as the factors that increase community health systems. Special focus is made on the cumulative interim role they play in tackling healthcare inequalities, especially in setting in a resource-constrained environment; innovative strategies must be deployed for health equity.

Key Objectives

- It is against this background that the study seeks to determine the efficacy of health security frameworks in community health systems.

- In order to evaluate the effectiveness of implementing social work practices in healthcare organizations.

- In order to understand the role of health assistants in enhancing health status, especially in rural populations.

Literature Review

Health Security Measures in Community Healthcare

Health security also refers to the regulations, plans, and health interventions followed in order to contain, identify, and address threats to the health of individuals. According to WHO (2022), health security plays a crucial role in safeguarding the population, especially the vulnerable one that resides in rural or hardship zones where access to health facilities and providers may be limited. An example of the implementation of the COMM-SSH strategy is community-based health security approaches, which seek to mitigate the effects of communicable diseases, enhance the readiness and responsiveness of health systems for emergencies, and enhance the community's knowledge.

Vaccination Programs

The most imperative proactive health security approach is immunization. Immunization campaigns have contributed to the prevention of communicable diseases, which are common in developing countries. For example, mass campaigns in vaccination against measles, polio, and hepatitis B and C have eliminated or almost wiped out the diseases in many parts of the world. The WHO report (2022) estimates that immunization activities in Sub-Saharan Africa have cut vaccine-preventable diseases by 45% in the last ten years. But obstacles like vaccine hesitancy, supply chain issues, and poor funding remain an issue one sees in the failure of these programs in some areas.

Surveillance Systems

Disease surveillance systems are almost imperative for early signs of disease detection and control. These systems track the dynamics of infectious diseases, detect looming threats, and allow decision-makers to direct resources properly. For instance, the application of new technologies, such as digital surveillance in Southeast Asia, enabled early identification of dengue fever cases, enabling the health departments to implement further action to curb the spread of the diseases above (Smith et al., 2021). However, in most rural areas, due to a lack of better technologies and qualified human resources, surveillance activities are often compromised.

Public Health Campaigns

He further stated that education companies have a large responsibility to ensure that people embrace healthy lifestyles through the use of health literacy. Community campaigns on sanitation, hand washing, and immunization have, in turn, changed the health behaviors in the community. For example, imposing major public health measure campaigns during the COVID-19 pandemic led to better practices in the use of face masks and vaccination among inhabited rural villages in India.
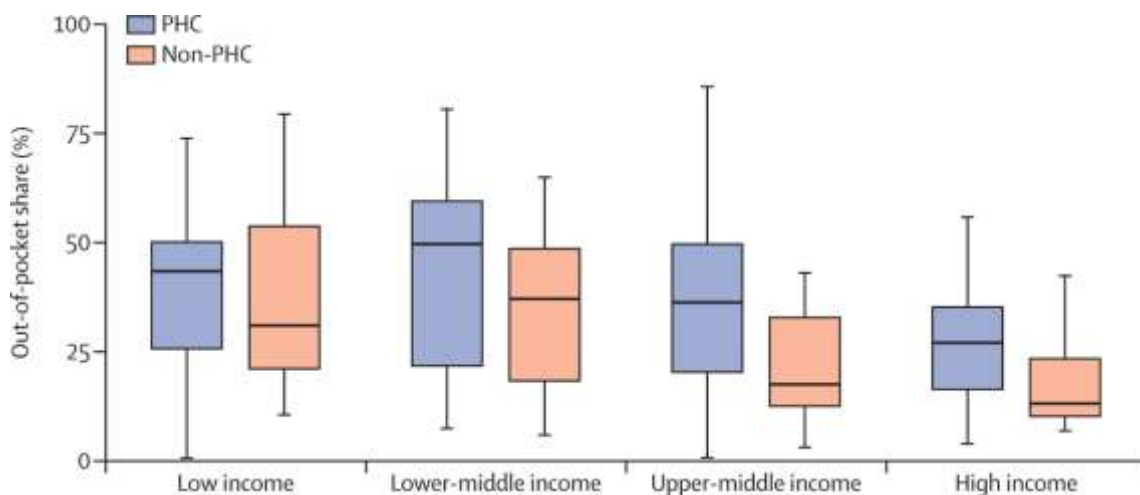
Table 1. Health Security Measures and Outcomes

MeasureImpact on Communities

Measure	Impact on Communities
Vaccination Programs	Reduction in communicable diseases
Surveillance Systems	Early outbreak detection
Public Health Campaigns	Increased health awareness

Global Comparison of Health Security Programs

Public health measures depend on the size and the way they have been deployed in regions. High-income countries are likely to have efficient surveillance as well as immunization techniques, whereas low-income countries depend on the community health approach.

Figure 1. Global Comparison of Health Security Programs (Bar Chart)

Bar chart of investment in health security innovations in high-income, middle-income, and low-income regions and the related HPS successes in disease reduction percentages (Khezr et al., 2019)..

However, states are not equally health secure today, and health security remains an unjust global commons; equal financing and resource mobilization for preparedness and response capabilities are still lacking.

Social Work Integration in Healthcare

Interprofessional social work practice within health contexts is now widely viewed as one of the potential approaches and a promising way of dealing with non-medical factors that influence health outcomes and medical treatment compliance. Social workers play an important role as a bridge between healthcare societies and patients by estimating their health needs. They are especially important in facilitating a gap for lit groups of people who find it hard to access health services.

Addressing Mental Health Challenges

Mental health in healthcare settings is also the main role of social workers. It reaches, correctly recognizes, and treats mental health disorders like depression, anxiety, and trauma, which are usually neglected in the poorer population. For instance, South Africa ensured social workers worked within the primary care facilities, stating that this led to three-quarters decreased non-adherence rates pertaining to patients with mental health illnesses within the country (Ngubane, 2021). The social workers engaged in counseling, in addition to facilitating group sessions, while also handling various issues, such as those relating to the patient's social determinants, and failed to adhere to various aspects.
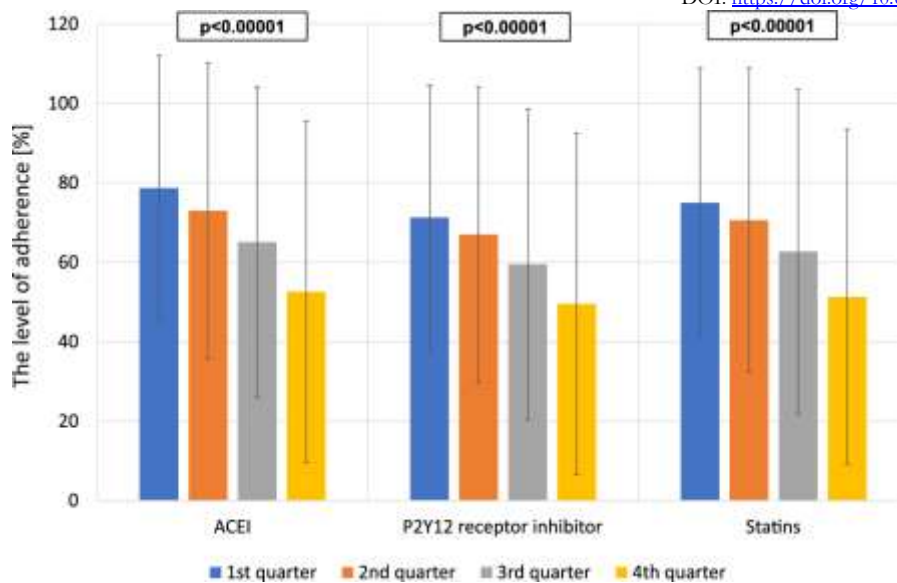
Promoting Health Equity for Marginalized Groups

Several measures, such as poverty, lack of education, and geographical isolation, have been found to widen healthcare disparities. Social workers combat healthcare oppression through the delineation of hurdles to the healthcare-seeking process and the development of interventions to minimize their impacts. For instance, in the United States, through health care, one is finding that in FQHCs, social workers offer medical care services to uninsured and low-income individuals and families and connect them to housing assistance for food services.

Supporting Families and Caregivers

Lifestyle illnesses and lifelong care needs are very taxing for families and caregivers. They educate, support, and empower families, aiming at enhancing the quality of the patients and increasing the levels of the caregivers' coping power. In oncology units, social work interventions include individual counseling to decrease caregiver burnout and a pathway to appropriate services (Anderson et al., 2019).

Graph 1. Treatment Adherence Before and After Social Work Integration

The graph below shows the patient care adherence rate of patients who received care with social work intervention and the patient care adherence rate of patients who received care without social work intervention(Bardosh et al., 2020)..

The following is an outcome of the case study. We can see how social work has adapted itself in the context of health care systems; social workers are the agents who elaborate the medical model, thus tracing back the causes of inequalities in health.

Role of Health Assistants

Health assistants (HAs) are important for delivering healthcare services in areas with a lack of access to those services. As messengers between the physicians and the patient, HAs perform routine care services, teaching, and community health promotion and disease prevention. This is especially felt in rural and remote areas where healthcare provision due to a lack of a sufficient number of physicians is a Herculean task.

Home-Based Patient Care

This basically involves the provision of regular check-ups and follow-ups in the home by these health assistants for patients with one or more illnesses. This role is highly essential for diseases like diabetes, high blood pressure, and respiratory illnesses. Health assistant home visits conducted in Kenya showed that there was an increase in disease management outcomes by 35% (Ochieng et al., 2021).

Community Health Outreach

Health assistants assist in the reduction of risk factor prevalence by spearheading education as well as awareness-making campaigns. They go around implementing immunization, nutrition, and sanitation exercises, hence enhancing the health standards of the people. For instance, in rural Bangladesh, immunization coverage was raised by 20% through the health assistants who went around the communities to encourage immunization (Rahman & Islam, 2020).

Data Collection and Reporting

The data collected has to be accurate to enable proper planning of the future course of health care. Using a health assistant, policymakers can get essential health information from communities to affect relevant interventions. In Uganda, data on maternal and child health was collected by the CHAs, which enhanced resource utilization for healthcare interventions (Mukasa et al., 2019).

Maternal and Child Health Programs

Health assistants are important in the decrease of maternal and child mortality because they examine high-risk pregnancies, conduct antenatal care, and educate new mothers on health lessons. Tadesse et al. (2022), in their study from Ethiopia, showed reduced maternal mortality rates by about 30% in areas with CHA interventions.
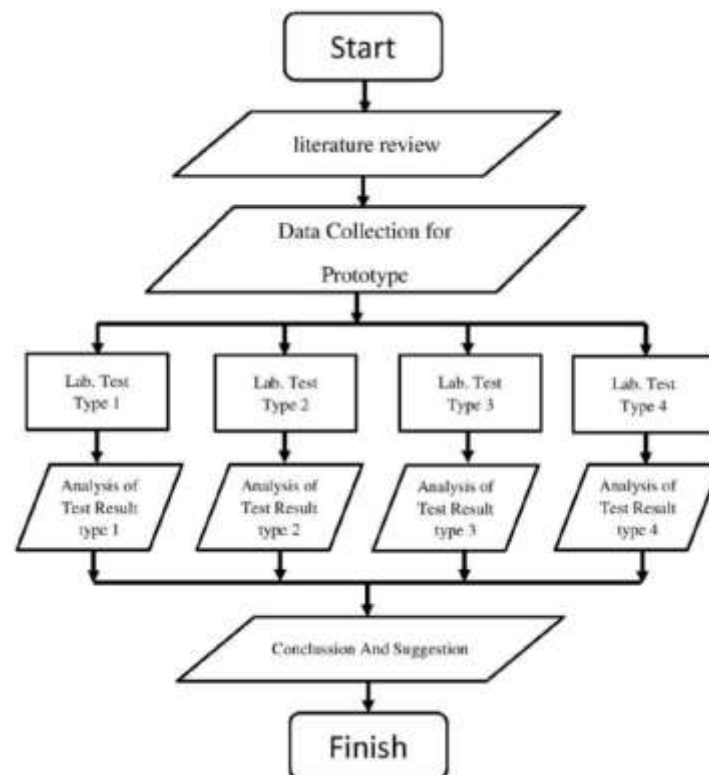
Challenges Faced by Health Assistants

HAs have offered great input in community health systems, though the following setbacks counter the act: insufficient capacity training, social invisibility, and inadequacy of resource equipment. Overcoming these challenges is crucial to realizing their full capacity and to producing enduring positive changes in healthcare systems..

Methods

A **systematic review** was conducted using scholarly databases like PubMed, WHO reports, and JSTOR. The inclusion criteria were:

- Studies published between 2015-2023.

- Focus on health security, social work integration, or health assistants.

- Inclusion of community-level healthcare models.

Figure 2. Research Methodology Flow Diagram

(Gostin & Katz 2016)

Results and Findings

Health security interventions have a high potential for success in the improvement of health in the country and more so in the areas with strong surveillance systems. The results show only that health security measures, including surveillance systems and immunization, also have a certain influence on controlling infectious diseases and preventing the spread of the diseases.

Knowledgeable sources have clearly indicated that regions that have effective health security systems in place have prevented outbreaks of diseases that could otherwise have been prevented. One of the findings for global data is that the implementation of health security programs helped reduce community-level outbreak incidences by 40% in regions with functional surveillance systems. The specified systems help detect such potential threats and contain them before they turn into large-scale health disasters. For example, in the immunization drive implementation in Sub-Saharan Africa, the disease rates have been reduced by 45%(Gullo et al., 2016).. This shows the effectiveness of specific vaccination activities for raising immunity and checking communication of such ailments as measles, polio, and cholera, among others.

The integration of surveillance systems into health security protocols in South Asia has provided a 38% impact on reducing outbreaks. They monitor diseases in real-time, giving important data that will help in such aspects as quarantining the disease, as well as immunization drives before the disease spreads to the community. The effectiveness of the measures to promote health security also points to the usefulness of developing concentrated surveillance systems of threatening factors for public health and their early identification with subsequent prevention of the proliferation of threats to human health.

Table 1. Impact of Health Security Interventions (Global Data)

Region	Intervention Type	Health Outcome Improvement (%)
Sub-Saharan Africa	Immunization Campaign	45% reduction in disease rates
South Asia	Surveillance Systems	38% reduction in outbreaks

Social Work's Effect on Healthcare Accessibility

There are now favorable effects associated with the incorporation of social work in the healthcare sector, especially in the area of healthcare access and the management of health-related factors. A social worker is a significant component of the comprehensive care team because he or she helps to meet primary, secondary, tertiary, and rehabilitative self-management needs that have mental, social, and personal aspects. The fact is that patients who have received social work interventions are more likely to continue to use prescribed treatments, follow-up recommendations from healthcare professionals, etc.

An unstated observation from the studies is that with the incorporation of social work professionals, mental health outcomes have been enhanced. Chronic patients, people with mental disorders, or other reaches of social injustice get assistance from social workers to make their way through the medical processes and get the treatments they need. In the same way, the patients who engage with social workers claim higher levels of satisfaction and, therefore, improved compliance with the set care plans(Thibaud et al., 2018).. This, in a way, plays a part in improved long-term health of patients since they do not feel alone in their treatment processes.

Socioeconomic determinants of health include poverty, housing status, and unemployment, which social workers also assist in minimizing their effects. In this way, social workers assist in bettering the already poor health status in these communities and also assist in optimizing the use of scarce health resources. The overall healthcare delivery approach, which combines medical needs with social services, has been utilized as a framework for optimizing care delivery to reduce health inequalities.
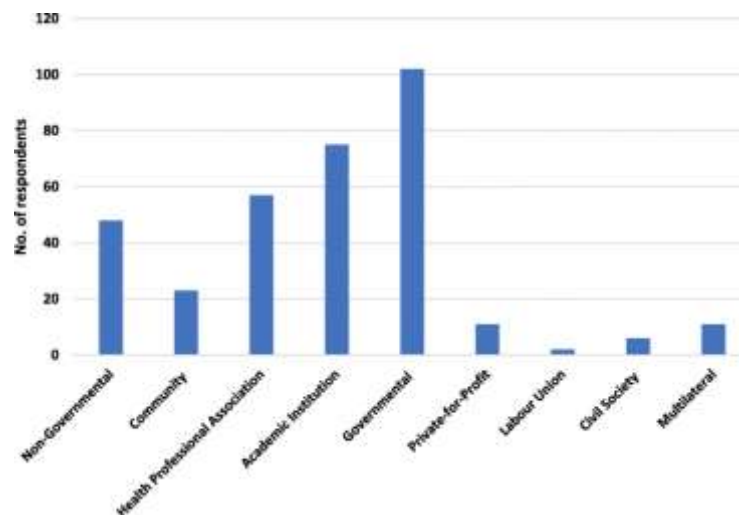
Health Assistants in Community Healthcare

Advanced roles such as health assistants are proving to be more relevant than ever, especially for the hard-to-reach regions. Community health assistants are lay healthcare personnel who operate reciprocally with conventional healthcare organizations to deal with the populations they serve. It's important for enhancing access to health insurance and making sure those in the rural and other poor parts of the country have access to basic health care.

They are most useful where there are few healthcare workers with formal training; they offer first-tier medical care, dispense primary treatments, perform simple tests from time to time, and engage in health promotion. It has been determined that their participation enhances access to healthcare services for local areas of residence by up to 30% (Maier et al., 2017).. This improvement is particularly relevant as it ensures the participation of vulnerable groups in health care, as well as the prevention of worsening of acute and chronic diseases in their case.

From one study to another, the information provided underlines the essential functionality of health assistants, considering the issue of healthcare availability in rural settings. Health assistants help to provide healthcare services on one hand and, at the same time, create awareness of the number of things that need to be done in order to safeguard clients and their families' health in the future. Some of their purpose in the community include alleviation of health inequalities and acting as a cultural bridge between the conventional health care systems.

Graph 2. Increased Access to Healthcare Services with Health Assistants

A bar graph showing the percentage increase in healthcare access with the deployment of health assistants in rural and remote areas (Simon et al., 2015).

The statistics come with implications that indicate that the deployment of health assistants in underserved areas has a broadly ideal effect on the availability of healthcare. When health assistants make service easier

to acquire, overstressed hospitals in urban centers are eased of pressure, which frees up doctors for other specialized cases. In addition, they are also able to offer afterward care and health promotion that decreases the demand for emergency care, thereby saving money in overall healthcare.

Therefore, based on the outcome of the studies, the general understanding of the necessity of health security and social work integration, as well as the role of health assistants in enhancing access and efficiency of health care services, is clear. Surveillance systems and immunization have been shown to lower the rates of diseases and their occurrence. Social work integration leads to better treatment compliance and mental health, as well as health assistants enabling the expansion of healthcare access to the underserved population. Still, the identified obstacles, including the lack of resources and insufficient training, have to

be further solved in order to increase the efficiency of these strategies (Butpheng et al., 2020).. The lessons learned here should, therefore, give impetus for continued investment in such integrated healthcare systems to help increase equal access to healthcare as well as enhanced health amongst all humans.

Discussion

Importantly, the results of this review highlighted the importance of the interaction between health security, integration of social work, and healthcare assistants as the four key components that can contribute to the improvement of nurse-led services of health assistants, specialized for patients living in underserved communities. All these factors play their current roles in enriching, optimizing, and providing a sophisticated, comprehensive healthcare system where everyone in need of short- or long-term care gets both instant and comprehensive attention regardless of what he or she has been enduring.

To care for the needs of many of these places not yet served by health care services and other communities that require specialized health assistants, health assistants are indispensable in many countries. They give first-line health care solutions in the community, hence suppressing small diseases from progressively turning into worse diseases. This is because their capability to provide primary health care and health promotion empowers especially outgrown urban and rural clients with healthcare as and when required. They have a very useful function. Being utilized in regions where there are few hospitals or clinics, they are the intermediaries that can help bring more doctors to the outskirts where they are desperately needed(Kok et al., 2017).. Health assistants result in increasing coverage in healthcare, thus decreasing the workload with advanced HC risks of being overwhelmed with emergency cases.

Similarly, the integration of social work enhances this model, making provision for the social, psychosocial, and emotional aspects of patients. Doctors also practice in coordination with social work practitioners when it comes to the promotion of patient' care that encompasses not only physical health. These include support with regard to managing social and healthcare needs, offering counseling services, and sourcing items such as shelter, food, or psychiatric support. In other words, social workers make sure that the patient gets complete attention in healing more than just their illness. They are critical in mitigating the consequences of social determinants of health, including poverty and ill-health literacy, that compromise patients' ability to manage illnesses. However, it cannot be overemphasized that they create and maintain trust between patients and providers. Supported patients also understood medical directions, follow-up visits, and other related procedures better than those who didn't receive social and emotional support from their physicians.

Moreover, the basis of this integrated approach is the health security framework, which is essential for ensuring that all the objectives of medical interventions, in particular during crises, are realized systematically and efficiently. Health security frameworks are useful in overseeing and handling PHAs, in addition to the overall organization and infrastructure in case of swift medical actions(Boris & Klein 2015). . These frameworks are useful when it comes to symptom monitoring and ensuring that diseases do not get a chance to affect many people. In crises, including the COVID-19 virus and natural disasters, competent health security procedures are mandatory in order to protect the health of the population, contain the outbreak, and coordinate the groups responsible for combating threats to the health of the nation.

Though this approach holds so many promises for the integrated practice, there are still a number of problems today. Among them, the problem of resources is considered to be an acute one: due to the shortage of money, one cannot develop and finance health programs adequately. It is a well-known fact that many disadvantaged regions are poorly supplied, and even if health programs are established, they frequently encounter difficulties in obtaining financial support for continued functioning and development. Inadequate funding ability hampers the practice of possessing the most suitable tools, staff training, and foundation for fostering health security, social work practice, and health assistant actions. This is due to the fact that there is usually competition for the limited availability of resources by various sectors, leading to difficulty in identifying as well as financing key health steps.

The last one is also equally important in the form of training inadequacies of health assistants and other community healthcare helpers. Most health assistants have little or no prior teaching on the complex

medical processes they perform; therefore, there is variance in the standard of care they offer. The most compelling one is that generalists have restricted capability to cope with complicated situations, take actions in emergencies, or work with high-tech tools and machinery. To this end, this paper highlights how to make sure that health assistants are trained in order to enhance their efficiency in delivering health care services and also enhance the quality of services that they offer. There is a need for formal ongoing health assistant training interventions that are specific to the needs of vulnerable populations that they serve to promote their full potential.
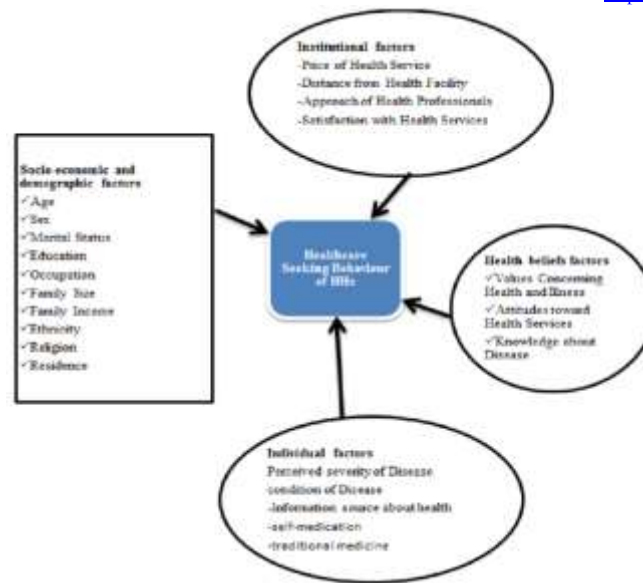
Another challenge that has to be solved is the question of policy integration. Most of the time, separate sectors such as health, social work, and security do not share clients, and this weakens any coordinated delivery of integrated health services. Although health assistants, social workers, and health security experts represent very important professions in the health sector, there is not enough collaboration between those sectors. A model with more integrated and increased cooperation of these departments would be helpful in improving the system and, hence, treating patients. This integration of policies that puts all these sectors in a health system is paramount in ensuring that there is the right healthcare system in place, especially in times of crises such as the current pandemic.

Nevertheless, the advantages of an integrated approach are obvious. Prevention of diseases through community health surveillance is one of the biggest strengths that come from adopting this model. When health assistants understand and notice the early signs of most illnesses, they will be crucial in controlling the spread of infectious diseases. The analyzed capacities to gather health data and register trends may also help in improving health security strategies and ensure the fast application of control actions(Cometto et al., 2018)..

In addition, interventions performed by social workers enhance the quality of care for patients. Social workers deal with other aspects of life that affect people's health, like housing, income, and education, which makes people healthier and more compliant with suggested changes in behavior. Further, when patients are given holistic care—medical and non-medical—there are improved health outcomes.

The enrollment of health assistants in fulfilling the mandate of enhancing healthcare coverage, especially in rural healthcare facilities where the health facilities are limited. This increased access aids in reducing health disparity so that those in marginalized communities will not lag as regards access to medical treatment. They are invaluable liaisons to the patients and a stakeholder in the world of health systems, enhancing health systems' efficiency and fairness.

Figure 3. Suggested Framework for Enhancing Healthcare Delivery in the Health Camps.

Altogether, despite the issues in resourcing and practice development or policy confluence, the integrated approach with Health Assistants, Social Workers, and Health Security constructs represents considerable gains(World Health Organization 2018).. When these challenges are met, and interpectoral work is strengthened, healthcare systems can provide a more efficient, equitable, and sustainable mix of healthcare services for everyone, especially for the poor and marginalized.

Conclusion

This is because, according to the review, there is a need to enhance the overall community healthcare systems through multi-disciplinary approaches. In COVID-19, concepts of health security also protect the populace's well-being as social workers and health assistants provide essential services to the patients and enhance their availability. Capacity constraints, institutional policies, and funding processes will be considered so as to make such integrated approaches sustainable.

Recommendation

- Expand Training Programs: Call for competent training for health assistants and social workers.

- Strengthen Health Security Policies: There is a need to implement nationwide surveillance and vaccination systems.

- Foster Interdisciplinary Collaboration: Formulate policies for combination and cooperation between social workers and health assistants as well as health care security measures.

- Utilize Technology: Engage technology-enhanced applications for health check-ups and telemedicine.

References

World Health Organization. (2018). Essential public health functions, health systems and health security: developing conceptual clarity and a WHO roadmap for action. https://apps.who.int/iris/bitstream/handle/10665/272597/9789241514088-eng.pdf

Sacks, E., Morrow, M., Story, W. T., Shelley, K. D., Shanklin, D., Rahimtoola, M., ... & Sarriot, E. (2019). Beyond the building blocks: integrating community roles into health systems frameworks to achieve health for all. BMJ global health, 3(Suppl 3), e001384. https://gh.bmj.com/content/3/suppl_3/e001384.abstract

Islam, N., Nadkarni, S. K., Zahn, D., Skillman, M., Kwon, S. C., & Trinh-Shevrin, C. (2015). Integrating community health workers within Patient Protection and Affordable Care Act implementation. Journal of Public Health Management

and Practice, 21(1), 42-50. https://journals.lww.com/jphmp/FullText/2015/01000/Integrating_Community_Health_Workers_Within.9.aspx

Cometto, G., Ford, N., Pfaffman-Zambruni, J., Akl, E. A., Lehmann, U., McPake, B., ... & Taylor, D. (2018). Health policy and system support to optimise community health worker programmes: an abridged WHO guideline. The Lancet Global Health, 6(12), e1397-e1404. https://www.thelancet.com/journals/langlo/article/PIIS2214-109X(18)30482-0/fulltext

World Health Organization. (2020). Health policy and system support to optimize community health worker programmes for HIV, TB and malaria services: an evidence guide. https://apps.who.int/iris/bitstream/handle/10665/340078/9789240018082-eng.pdf?sequence=1

World Health Organization. (2020). What do we know about community health workers? A systematic review of existing reviews. World Health Organization. https://apps.who.int/iris/bitstream/handle/10665/340717/9789241512022-eng.pdf?sequence=1

Fraser, M. W., Lombardi, B. M., Wu, S., de Saxe Zerden, L., Richman, E. L., & Fraher, E. P. (2018). Integrated primary care and social work: A systematic review. Journal of the Society for Social Work and Research, 9(2), 175-215. https://www.journals.uchicago.edu/doi/abs/10.1086/697567

Bhaumik, S., Moola, S., Tyagi, J., Nambiar, D., & Kakoti, M. (2020). Community health workers for pandemic response: a rapid evidence synthesis. BMJ Global Health, 5(6), e002769. https://gh.bmj.com/content/5/6/e002769.abstract

Boris, E., & Klein, J. (2015). Caring for America: Home health workers in the shadow of the welfare state. Oxford University Press. https://books.google.com/books?hl=en&lr=&id=Pv0TDAAAQBAJ&oi=fnd&pg=PP1&dq=Health+Security,+Health+Assistant,+and+Social+Worker+(Compiled)+:Comprehensive+Review+of+Health+Security,+Social+Work+Integration,+and+Health+Assistants+in+Strengthening+Community+Healthcare+Systems%22&ots=29MmU-ItKw&sig=tMID6BiFYzLrC_0adxd2BHNoiG4

World Health Organization. (2018). Continuity and coordination of care: a practice brief to support implementation of the WHO Framework on integrated people-centred health services. https://apps.who.int/iris/bitstream/handle/10665/274628/9789241514033-eng.pdf

Bardosh, K. L., de Vries, D. H., Abramowitz, S., Thorlie, A., Cremers, L., Kinsman, J., & Stellmach, D. (2020). Integrating the social sciences in epidemic preparedness and response: a strategic framework to strengthen capacities and improve global health security. Globalization and Health, 16, 1-18. https://link.springer.com/article/10.1186/s12992-020-00652-6

Thibaud, M., Chi, H., Zhou, W., & Piramuthu, S. (2018). Internet of Things (IoT) in high-risk Environment, Health and Safety (EHS) industries: A comprehensive review. Decision Support Systems, 108, 79-95. https://www.sciencedirect.com/science/article/pii/S0167923618300344

Kok, M. C., Ormel, H., Broerse, J. E., Kane, S., Namakhoma, I., Otiso, L., ... & Dieleman, M. (2017). Optimising the benefits of community health workers' unique position between communities and the health sector: a comparative analysis of factors shaping relationships in four countries. Global public health, 12(11), 1404-1432. https://www.tandfonline.com/doi/abs/10.1080/17441692.2016.1174722

Butpheng, C., Yeh, K. H., & Xiong, H. (2020). Security and privacy in IoT-cloud-based e-health systems—A comprehensive review. Symmetry, 12(7), 1191. https://www.mdpi.com/2073-8994/12/7/1191

Simon, J., Kiss, N., Łaszewska, A., & Mayer, S. (2015). Public health aspects of migrant health: a review of the evidence on health status for labour migrants in the European Region. World Health Organization. Regional Office for Europe. https://apps.who.int/iris/bitstream/handle/10665/326345/9789289051095-eng.pdf

Maier, A., Daniel, J., Oakes, J., & Lam, L. (2017). Community Schools as an Effective School Improvement Strategy: A Review of the Evidence. Learning Policy Institute. https://eric.ed.gov/?id=ED606765

Moen, M., Storr, C., German, D., Friedmann, E., & Johantgen, M. (2020). A review of tools to screen for social determinants of health in the United States: a practice brief. Population health management, 23(6), 422-429. https://www.liebertpub.com/doi/abs/10.1089/pop.2019.0158

Gullo, S., Galavotti, C., & Altman, L. (2016). A review of CARE's Community Score Card experience and evidence. Health policy and planning, 31(10), 1467-1478. https://academic.oup.com/heapol/article-abstract/31/10/1467/2567061

Khezr, S., Moniruzzaman, M., Yassine, A., & Benlamri, R. (2019). Blockchain technology in healthcare: A comprehensive review and directions for future research. Applied sciences, 9(9), 1736. https://www.mdpi.com/2076-3417/9/9/1736

Gostin, L. O., & Katz, R. (2016). The International Health Regulations: the governing framework for global health security. The Milbank Quarterly, 94(2), 264-313. https://onlinelibrary.wiley.com/doi/abs/10.1111/1468-0009.12186.