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CENTERING ACCESS TO WATER IN SIERRA LEONE'S PUBLIC HEALTH PREPAREDNESS AND RESPONSE.

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ABSTRACT

The COVID-19 pandemic has put Sierra Leone's resiliency to the test and has become a crucial moment in assessing the country's capacity to handle emergencies. Previous experiences, such as the Ebola outbreak, have provided lessons for effective emergency management. Although Sierra Leone has made notable achievements, there are areas that require improvement to ensure a comprehensive response to the pandemic. This highlights the importance of tailored and situation-specific actions to address global health crises.

This communication evaluates Sierra Leone's emergency preparedness and identifies obstacles, such as healthcare infrastructure limitations, training shortages, unequal resource distribution, and insufficient community involvement. It emphasises the need to address these issues and presents extensive suggestions to enhance Sierra Leone's capacity to ensure the health and welfare of its population. The study concludes with specific recommendations for improving infrastructure, skills, community involvement, technological integration, and resource allocation. These efforts could strengthen Sierra Leone's COVID-19 response and establish a robust foundation for future health crises.

Keywords: Emergency Response, Pandemic, Ebola, Sierra Leone.

INTRODUCTION

The Ebola outbreak in Sierra Leone, which occurred from 2014 to 2016, highlighted the importance of strong healthcare systems (Christensen et al., 2020) and community engagement in effectively managing infectious diseases (Kim, 2022). Building on this experience, Sierra Leone has been able to implement some of the lessons learned during the Ebola crisis in its response to the COVID-19 pandemic. However, the current global health crisis presents new challenges, such as the need widespread testing and vaccine distribution, requiring innovative approaches and international collaboration (Asaduzzaman et al., 2023). The scale and complexity of the COVID-19 pandemic present unique challenges that cannot be fully addressed by past experiences alone, despite the valuable lessons Sierra Leone may have learned from the Ebola outbreak (Wiwanitkit, 2021). Additionally, the level of international collaboration required for widespread testing and vaccine distribution may be difficult to achieve in practice (Torres, 2023).

Furthermore, the COVID-19 pandemic has exposed the vulnerabilities in healthcare systems worldwide, highlighting the need for substantial investments in infrastructure (Rothbart et al., 2022), research, and the healthcare workforce (Wang & Alexander, 2021). It is evident that the current crisis demands a comprehensive and coordinated response from governments, healthcare organisations, and international bodies (Stievano et al., 2023). However, the reality is that many countries, especially those with limited resources, struggle to meet these demands due to financial constraints and competing priorities (Crampton, 2004). This

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poses a significant hurdle to achieving the necessary level of international collaboration to effectively address the testing and vaccine distribution challenges (Asaduzzaman et al., 2023).

In this short communication, I explore the current state of Sierra Leone's emergency preparedness and response strategies in the specific context of the COVID-19 pandemic. By examining the nation's successes, hurdles, and the dynamic nature of the global health landscape, we aim to contribute insights and recommendations that will fortify Sierra Leone's ability to safeguard the health and wellbeing of its citizens in the face of unprecedented challenges posed by the ongoing pandemic.

CURRENT STATUS OF SIERRA LEONE IN THE CONTEXT OF THE PANDEMIC:

Sierra Leone's current status in the context of the pandemic presents a complex and multifaceted picture (Mansaray et al., 2023). Despite making significant strides in its preparedness emergency and response strategies, Sierra Leone still faces numerous challenges that need to be addressed. One of the key challenges is testing capacity and accessibility. Despite efforts to expand testing capabilities, there is still a need to scale up testing infrastructure and improve the turnaround time for test results. Additionally, ensuring equitable access to testing across all regions of the country remains a priority. Another critical challenge is the distribution of vaccines. Sierra Leone, along with many other low-income countries.

The training and capacity-building initiatives put in place in the wake of the Ebola outbreak

serve as a foundation (Horn et al., 2019), but they require further improvement to address the unique challenges the COVID-19 pandemic poses. Continuous and specialised training programmes are vital in order to provide healthcare personnel with the most up-to-date clinical procedures (Woroch & Bockwoldt, 2020), proficient utilisation of personal protective equipment (PPE) (Fishel, 2016), and efficient handling of critically ill patients (Kumar GarG, 2019). Continuous efforts are required to ensure that healthcare staff remain well-prepared for the shifting difficulties posed by the dynamic nature of the pandemic. These efforts should include regular drills and simulations (Hashemi, 2018) to practice emergency response protocols and enhance decision-making skills. (Rice. 2017) Additionally, close collaboration and information sharing between healthcare institutions and public health agencies are crucial for a coordinated and effective response. (Pinto, 2013). We should allocate adequate funding and resources to support these training programs and ensure that healthcare personnel have the necessary skills and knowledge to combat the challenges of COVID-19 (Mihalich-Levin, 2012). Only continuous improvement through adaptation can we effectively protect public health and mitigate the impact of future pandemics. (WANNOUS, 2022).

The epidemic worsens the distribution of medical staff and supplies across regions, making resource allocation a crucial issue (Dangerfield et al., 2019). Efficient distribution of resources is crucial to guaranteeing fair assistance to all regions, especially those with susceptible populations (Skogstad, 2021). Additionally, there is still a lack of public

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awareness and community involvement that hinders the response's effectiveness (K. Rokade & Prabhavalkar, 2019). The presence of false information and reluctance towards vaccination programmes highlights necessity for focused awareness efforts that local influencers and utilise creative communication tactics (Nithyanantham, 2020). community influencers Engaging implementing creative communication tactics effectively raises public awareness. encouraging greater participation and support for vaccination programs (van Scherpenseel et al., 2023). This can help debunk false information and address any reluctance towards vaccinations, leading to improved response effectiveness (Chattoo, 2022). Furthermore. enhancing community by involvement, response efforts can be tailored to the specific needs and vulnerabilities of each region, ensuring fair and equitable assistance for all.

The pandemic has highlighted the significance of technical solutions in emergency response (Ratna, 2021). Sierra Leone stands to gain from increased incorporation of technology, such as advanced surveillance systems, effective contact tracking tools, and the use of telemedicine for remote healthcare services. Enhancing these technology features would not only strengthen the current response to COVID-19 but also bolster Sierra Leone's readiness for future health catastrophes. By implementing advanced surveillance systems, Sierra Leone can effectively monitor and detect potential outbreaks, allowing for quicker and more targeted response measures. Additionally, effective contact tracking tools would enable authorities to efficiently trace and isolate individuals who may have come into contact

with infected individuals, helping to prevent further spread of the virus. The use of telemedicine for remote healthcare services would not only provide access to medical care for those in rural or remote areas but also reduce the risk of transmission by minimising in-person visits to healthcare facilities. These technological advancements would ultimately contribute to a more resilient and prepared healthcare system in Sierra Leone.

RECOMMENDATIONS

Several recommendations can strengthen the healthcare infrastructure in Sierra Leone. Firstly, investing in the expansion and improvement of healthcare facilities across the country would be crucial. This would involve constructing new hospitals, clinics, and healthcare centres, as well as renovating existing ones to ensure they meet modern standards and can handle a surge in patients during emergencies. Additionally, equipping these facilities with the necessary medical equipment and supplies, such as ventilators, and personal testing kits, protective equipment, would be essential in ensuring their preparedness to handle future outbreaks or pandemics.

Capacity-building and training initiatives would play a vital role in strengthening the healthcare system. It would be necessary to invest in training programmes for healthcare professionals to enhance their skills and knowledge in handling various medical emergencies and diseases. This would include specialised training in infectious disease management, emergency response, and the use of advanced medical technologies. Furthermore, we should make efforts to increase the number of healthcare workers,

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including doctors, nurses, and support staff, to meet the growing demands of a rapidly expanding population. By focusing on capacity building and training, the healthcare system can become more resilient and better equipped to handle any future healthcare needs.

One key aspect of improving healthcare systems is enhancing community engagement. This involves actively involving the community decision-making processes, raising awareness about health issues, and promoting preventive measures. Community engagement can help bridge the gap between healthcare providers and patients, leading to better understanding, trust, and collaboration. Furthermore, community engagement enables the effective allocation of resources by identifying specific healthcare needs and priorities within the community. Through community engagement, healthcare systems can become more responsive and tailored to the unique needs of the population they serve. However, community engagement in decisionmaking processes can be time-consuming and costly. potentially delaying important healthcare decisions and interventions. Additionally, not all community members may have the necessary knowledge or expertise to effectively contribute to these processes, leading to potentially flawed decision-making.

One potential solution to address the concerns of time and cost in community engagement is the integration of technology into healthcare systems. With the advancements in digital platforms and communication tools, healthcare providers can now reach a larger audience and gather input more efficiently. Healthcare providers can engage community members in decision-making processes without the need for physical meetings or extensive travel by

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utilizing online surveys, virtual town hall meetings, and social media platforms. In addition to saving time and resources, this approach also ensures the inclusion of a more diverse range of perspectives in the decisionmaking process. However, not all individuals have equal access to technology or the necessary skills to navigate digital platforms. As a result, certain groups may be excluded from community engagement efforts, leading to a lack of representation and potentially widening existing health disparities. Additionally, relying solely on technology for community engagement may overlook the importance of face-to-face interactions and personal connections in building trust and rapport with community members.

One potential benefit of utilising technology in community engagement is the ability to optimise resource allocation and funding. With the use of digital platforms, organisations can more easily track and analyse data on community needs and preferences, allowing for a more targeted and efficient allocation of resources. By directing limited resources towards areas and populations that are most in need, organizations can maximize the impact of community engagement efforts. Additionally, technology can also facilitate fundraising efforts, making it easier for organisations to connect with potential donors and secure necessary funding for community initiatives.

Furthermore, digital platforms can provide organisations with real-time data on the success and impact of their community engagement efforts. This allows for continuous monitoring and evaluation of programmes, enabling organisations to make data-driven decisions and adapt their strategies as needed.

By leveraging technology, organisations can SLJBR December 2024 Vol. 15 No. 1

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also reach a wider audience and engage with individuals who may not have been traditionally involved in community initiatives. This inclusivity can lead to a greater diversity of perspectives and ideas, ultimately fostering more innovative and effective solutions to community challenges.

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