Enhancing Healthcare Systems to Tackle Rising HIV Cases in Pakistan: Overcoming Challenges for Effective Control

Javeria Khan*, Khaola Tahreem Qaiser**, Araj Siddiqui***, Syed Fozail Sarmad****, Javeria Javed*****

*MPhil Fellow, Jinnah University for Women, Karachi, Pakistan **MBBS, Jinnah Medical and Dental College, Karachi, Pakistan ***MBBS, Hamdard College of Medicine and Dentistry, Karachi, Pakistan ****MBBS, Jinnah Sindh Medical University, Karachi, Pakistan *****PhD Fellow, Jinnah University for Women, Karachi, Pakistan

Abstract- Improving healthcare systems is crucial to effectively control the rapidly spreading HIV epidemic in Pakistan. Using insights from a range of research and reports, this abstract explores the complex issues impeding the nation's efforts to address the rising number of HIV cases. Important issues include widespread stigma, low health literacy, limited access to high-quality medical assistance and the rise of quackery. Strategic interventions are required to overcome these obstacles, such as focused awareness campaigns, better access to testing and treatment, improved training for healthcare professionals and stricter laws to curb quackery. Pakistan may improve their healthcare services and significantly slow the HIV epidemic by overcoming these issues and implementing strong control measures in place.

Keywords- HIV/AIDS; Healthcare Systems; Quackery; Control Measures; Epidemic; Social Stigma.

I. COMMENTARY

There is an urgent need to create healthcare systems and set in place efficient control measures due to rising incidence of HIV/AIDS in Pakistan, which is an important issue for the public. The challenges that this country faces in responding to the increasing number of HIV patients are discussed in this manuscript, along with strategies proposed (1). The lack of success of Pakistan's healthcare system in poor prevention for the spread of HIV/AIDS is a result of several factors. Some of these challenges include the widespread stigma associated with HIV/AIDS, low health literacy among the populace, poor access to high-quality medical care, and the rise in unqualified medical professionals (quacks) (2).

Regarding HIV/AIDS, prejudiced opinions are common among Pakistani women. The stigma related to the illness frequently causes social isolation and prevents people from acquiring prompt medical attention, which exacerbates the virus's transmission (3). People living with HIV/AIDS in Pakistan have lower health-related quality of life due to comorbidities and

minimal health literacy. Preventing the disease's spread is made more difficult by our limited knowledge of it and how to treat it. Effective HIV/AIDS control continues to be hindered by poor access to testing, medical treatment, and support services (4) (5). The existence of unqualified practitioners spreads HIV/AIDS by providing false information and engaging in risky medical practices (6) (12). Additionally, the abuse and overuse of overthe-counter medications increase health problems and compromise control initiatives (7).

A multifaceted strategy involving targeted interventions and policy reforms is required to address these issues. Strategies which function well includes:

- Establishing extensive awareness programs to counteract stigma, improve health literacy, and support treatment and prevention of HIV/AIDS (8).
- Upgrading the infrastructure of healthcare, especially in poor and rural areas, ensuring fair access to diagnostics, treatment, and support services (9).
- Strict enforcement of policies to prevent quack medicine and guarantee the delivery of high-quality, safe healthcare services (10).
- Boosting medical personnel's education and ability to provide evidence-based, culturally aware HIV/AIDS care (11).

II. CONCLUSION

Overall, tackling the increasing number of HIV cases in Pakistan necessitates coordinated efforts to improve healthcare systems and get past the many challenges preventing efficient control measures. Pakistan can slow the spread of HIV/AIDS as well as enhance the health of those who are affected by it by implementing regulatory reforms, boosting access to healthcare, fighting stigma, and raising health literacy. To effectively contain the HIV epidemic in Pakistan, however, continuous dedication by the government, healthcare workers, civil society organizations, and the general public is required.

III. ACKNOWLEDGMENT

None to disclose.

IV. FINANCIAL SUPPORT

No financial support was gained for this article.

V. CONFLICT OF INTEREST

The authors report no actual or potential conflict of interest.

VI. DATA STATEMENT

No data are associated with this submission.

REFERENCES

- [1] Marfani WB, Khan HA, Sadiq M, Outani O. The rise in HIV cases in Pakistan: Prospective implications and approaches. Annals of Medicine and Surgery. 2022;81.
- [2] Aizaz M, Abbas FA, Abbas A, Tabassum S, Obeagu EI. Alarming rise in HIV cases in Pakistan: Challenges and future recommendations at hand. Health Science Reports. 2023;6(8):e1450.
- [3] Sameen S, Lakhdir MPA, Azam SI, Asad N. Evaluating knowledge about HIV and discriminatory attitudes among Pakistani women of reproductive age using 2017–18 Demographic Health Survey data. Scientific Reports. 2023;13(1):17849.
- [4] Paudel S, Baral S, Yadav RK, Baral YN, Yadav DK, Poudel S, et al. Comorbidities and factors associated with health-related quality of life among people living with HIV/AIDS in Gandaki Province of Nepal. 2024.
- [5] Shahid R, Shoker M, Chu LM, Frehlick R, Ward H, Pahwa P. Impact of low health literacy on patients' health outcomes: a multicenter cohort study. BMC Health Services Research. 2022;22(1):1148.
- [6] Khan R, Mustufa MA. An empirical research study on deluging quackery outlets across Sindh, Pakistan and propositions to deal with confounding factors of rising quackery. JPMA The Journal of the Pakistan Medical Association. 2023;73(1):135-8.

[7] Ali I. Culture vultures: HIV/AIDS, structured disparities and stigma in Sindh province of Pakistan. Asian Journal of Medical Humanities. 2023;2(1):20230005.

ISSN: 1673-064X

- [8] Meherali S, Punjani NS, Mevawala A. Health literacy interventions to improve health outcomes in low-and middle-income countries. HLRP: Health Literacy Research and Practice. 2020;4(4):e251-e66.
- [9] Cascini F, Gentili A, Melnyk A, Beccia F, Causio FA, Solimene V, et al. A new digital model for the Italian Integrated Home Care: strengths, barriers, and future implications. Frontiers in Public Health. 2023;11:1292442.
- [10] Asghar W, Akhtar A, ur Rahman HU, Sami A, Khalid N. Global perspective on food fraud with special emphasis on the prevalence of food fraud practices and policies in Pakistan. World Food Policy. 2023;9(1):93-126.
- [11] Ali SS, Ali TS, Adnan F, Asif N, Memon Z, Barkat S, et al. Safe motherhood: A hidden reality in Pakistan. Midwifery. 2023;119:103624.
- [12] Sindh Health Care Commission (SHCC) | Introduction to Anti-Quackery. [cited 2021 21st October]; Available from: http://shcc.org.pk/page.aspx/anti-quackery/introduction-to-anti-quackery.

AUTHORS

First Author – Name: Javeria Khan, Institute: Jinnah University for Women, Karachi, Pakistan.

Second Author – Name: Khaola Tahreem Qaiser, Institute: Jinnah Medical and Dental College, Karachi, Pakistan.

Third Author – Name: Araj Siddiqui, Institute: Hamdard College of Medicine and Dentistry, Karachi, Pakistan.

Fourth Author – Name: Syed Fozail Sarmad, Institute: Jinnah Sindh Medical University, Karachi, Pakistan.

Fifth Author – Name: Javeria Javed, Institute: Jinnah University for Women, Karachi, Pakistan.

Corresponding Author: Full Name: Syed Fozail Sarmad, Qualification: MBBS, Institute: Jinnah Sindh Medical University, Karachi, Pakistan,