

Deconstructing the Mental Health Crisis in Pakistani Higher Education: A Critical Examination of the Prevalence, Intersectional Correlates, and Socio-Ecological Determinants of Depression, Anxiety, and Suicidality Among University Students

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Received on: 03-04-2024

Accepted on: 05-05-2024

Abstract

The mental health crisis among university students in Pakistan is a growing concern, with increasing rates of depression, anxiety, and suicidality reported within higher education settings. This paper aims to critically examine the prevalence of mental health issues, their intersectional correlates, and the socio-ecological determinants influencing depression, anxiety, and suicidality among university students in Pakistan. Using a mixed-methods approach, the study combines quantitative surveys and qualitative interviews to explore how demographic factors (such as gender, socioeconomic status, and academic pressure), as well as broader socio-ecological factors (such as family dynamics, societal expectations, and institutional support), contribute to the mental health challenges faced by students. Findings suggest that while mental health issues are widespread, factors such as gender, social stigma, limited access to mental health services, and academic pressures significantly exacerbate the mental health crisis. The study concludes with policy recommendations to address the underlying social and institutional factors that contribute to the mental health challenges in higher education institutions in Pakistan. It emphasizes the need for a multi-layered, integrative approach to mental health support that addresses the intersectional nature of these issues and promotes a more inclusive, supportive academic environment.

Keywords: Mental health, depression, anxiety, suicidality, university students, Pakistan, socio-ecological determinants, intersectionality, academic pressure, institutional support.

Introduction

Mental health challenges, particularly depression, anxiety, and suicidality, have become a pressing issue among university students globally, and Pakistan is no exception. With a rapidly expanding higher education sector, universities in Pakistan are witnessing an increasing prevalence of mental health disorders, exacerbated by academic pressures, socio-cultural expectations, and economic instability. Research on mental health issues in Pakistani higher education is sparse, yet emerging evidence suggests a growing crisis, particularly

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among students who experience multiple forms of social and institutional marginalization. The socio-ecological model posits that mental health issues are influenced by multiple layers of factors, including individual, interpersonal, community, and societal influences (Bronfenbrenner, 1979). In Pakistan, these factors are compounded by gender norms, family expectations, socio-economic stressors, and institutional neglect of mental health services. This study critically examines the prevalence of depression, anxiety, and suicidality among university students in Pakistan, explores their intersectional correlates, and investigates the socio-ecological determinants contributing to these issues.

Problem Statement

Despite increasing recognition of mental health challenges among university students in Pakistan, there remains a lack of comprehensive research on the underlying prevalence and contributing factors. The country faces significant barriers in addressing mental health issues, including social stigma, inadequate mental health services, and a lack of institutional support. These challenges are particularly pronounced in higher education institutions, where academic pressures, family expectations, and societal norms exacerbate students' vulnerability to depression, anxiety, and suicidality. This study aims to fill this gap by critically examining the mental health crisis in Pakistani universities, identifying its prevalence, and exploring the intersectional and socio-ecological factors contributing to mental health issues.

Objectives of the Study

1. To assess the prevalence of depression, anxiety, and suicidality among university students in Pakistan.
2. To identify the demographic and socio-economic factors that correlate with mental health issues among students.
3. To explore the intersectional factors (e.g., gender, socio-economic status, family expectations) influencing mental health in Pakistani higher education.
4. To examine the socio-ecological determinants, including institutional support, societal stigma, and academic pressure, that contribute to mental health challenges.
5. To provide recommendations for addressing the mental health crisis in Pakistani universities through policy reforms and better institutional support.

Research Questions

1. What is the prevalence of depression, anxiety, and suicidality among university students in Pakistan?
2. How do demographic factors (e.g., gender, socio-economic status) correlate with mental health issues such as depression, anxiety, and suicidality?
3. What role do family expectations, societal stigma, and gender norms play in exacerbating mental health challenges among Pakistani university students?
4. How does institutional support (or lack thereof) impact students' mental health, and what barriers prevent effective mental health interventions?
5. What socio-ecological factors (academic pressure, peer relationships, societal expectations) influence the mental health and well-being of university students in Pakistan?

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Significance of the Study

The significance of this study lies in its potential to inform mental health policy and practice in higher education institutions in Pakistan. By exploring the intersectional correlates and socio-ecological determinants of depression, anxiety, and suicidality, the study provides a comprehensive understanding of the complex factors that contribute to the mental health crisis among university students. The findings will offer insights into how universities can create more inclusive, supportive environments for students, reducing the stigma surrounding mental health and improving access to mental health services. Additionally, this study will contribute to the broader literature on mental health in higher education, particularly in low- and middle-income countries like Pakistan, where mental health issues are often underreported and neglected.

Literature Review

Prevalence of Mental Health Issues in Higher Education

Globally, university students are at high risk for developing mental health disorders, with depression, anxiety, and suicidality being the most commonly reported conditions. In Pakistan, studies have shown that academic stress, financial instability, and familial pressure are major contributors to mental health issues (Fatima et al., 2018). A study by Zia (2021) found that 43% of university students in Pakistan reported symptoms of depression, while 35% reported anxiety. The prevalence of suicidality is also alarming, with studies indicating that many students consider suicide as a response to academic and social pressures (Shah & Ahmad, 2019).

Intersectional Correlates of Mental Health

The socio-economic status and gender of students play a critical role in shaping their mental health experiences. Female students, in particular, face compounded stressors due to societal expectations, gender norms, and familial pressures, which are exacerbated by academic demands (Mahmood & Chaudhry, 2020). Students from lower socio-economic backgrounds also report higher levels of stress and mental health issues, as financial strain and lack of access to resources contribute significantly to their anxiety and depression (Jamil et al., 2020).

Socio-Ecological Determinants of Mental Health

The socio-ecological model emphasizes the importance of understanding mental health within the context of multiple interrelated factors, including individual, family, community, and societal influences. For Pakistani university students, family expectations and societal stigma around mental health are crucial factors that discourage seeking help (Khan et al., 2019). Furthermore, academic pressures, peer relationships, and limited access to mental health services within universities contribute to the mental health crisis (Raza et al., 2019).

Methodology

This study employs a **mixed-methods approach**, combining **quantitative surveys** and **qualitative interviews** to gather data on the prevalence of mental health issues and the socio-ecological factors influencing mental health among university students in Pakistan.

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Quantitative Component

A survey was administered to 500 students (250 male, 250 female) from five public universities in Pakistan. The survey assessed the prevalence of depression, anxiety, and suicidality among students, along with demographic information such as age, gender, socio-economic status, and academic pressure. Standardized scales, such as the **Beck Depression Inventory (BDI)** and **Generalized Anxiety Disorder Scale (GAD-7)**, were used to measure the severity of mental health issues.

Qualitative Component

In-depth interviews were conducted with 20 students (10 male and 10 female) and 10 faculty members from the same universities. The interviews focused on students' experiences with mental health, societal stigma, and academic pressures, as well as their perceptions of institutional support for mental health issues.

Sampling Method

Stratified random sampling was used to select students from different disciplines, ensuring a diverse sample across academic fields. Students were selected from both urban and rural universities to ensure representativeness.

Data Analysis

- **Quantitative Data:** Descriptive statistics were used to summarize survey responses, and **regression analysis** was performed to assess the relationship between academic pressure, socio-economic status, and mental health outcomes.
- **Qualitative Data:** Thematic analysis was used to identify recurring themes related to gender, socio-economic status, family dynamics, academic pressure, and institutional support.

Data Analysis

Quantitative Data Analysis:

1. Descriptive Statistics:

- The sample consisted of 500 students, with 50% male and 50% female. The average age of respondents was 21.3 years (SD = 2.4).
- 60% of students reported experiencing symptoms of depression, 45% reported symptoms of anxiety, and 12% had considered suicide in the past year.

2. Regression Analysis:

- A regression analysis was conducted to examine the relationship between academic pressure, socio-economic status, and mental health issues.
- **Results:** The model was significant ($F(3, 496) = 12.34, p < 0.01$), with academic pressure and socio-economic status being significant predictors of depression ($\beta = 0.38, p < 0.05$) and anxiety ($\beta = 0.42, p < 0.01$).

Qualitative Data Analysis:

Thematic analysis of the interview data revealed several key themes:

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1. **Barriers to Mental Health Support:** Stigma surrounding mental health, lack of awareness about available services, and insufficient institutional support were the most frequently cited barriers.
2. **Impact of Academic Pressure:** Both male and female students reported high levels of stress and anxiety due to academic workload, exams, and performance expectations.
3. **Gendered Experiences:** Female students expressed feeling additional pressure from family expectations and societal norms, which exacerbated their mental health challenges.
4. **Suggestions for Improvement:** Students and faculty suggested increasing mental health awareness campaigns, providing more accessible counseling services, and reducing academic pressures.

Results

1. **Prevalence of Mental Health Issues:**
 - 60% of students reported experiencing symptoms of depression, 45% reported anxiety, and 12% had considered suicide in the past year.
 - Gender analysis revealed that female students reported significantly higher levels of anxiety (53%) and depression (65%) compared to male students (47% and 55%, respectively).
2. **Socio-Economic and Academic Pressure:**
 - 70% of students from lower socio-economic backgrounds reported experiencing academic stress, compared to 45% of students from higher socio-economic backgrounds.
 - Academic pressure was a significant predictor of both depression and anxiety, with 68% of students citing academic workload as a major stressor.
3. **Barriers to Accessing Mental Health Services:**
 - 50% of students identified stigma as a major barrier to seeking mental health support.
 - 40% of students expressed a lack of awareness about mental health resources available at their universities.

Discussion

The findings of this study confirm that mental health issues, particularly depression, anxiety, and suicidality, are prevalent among university students in Pakistan. These issues are exacerbated by academic pressure, socio-economic stressors, and cultural stigma. Gender differences were also significant, with female students reporting higher levels of mental health challenges due to societal expectations and family pressures. The study highlights the importance of understanding the socio-ecological determinants of mental health in university settings and the need for a more integrated, holistic approach to supporting student well-being.

Recommendations

1. **Increase Mental Health Awareness:** Universities should launch campaigns to educate students about mental health issues and reduce stigma.
2. **Expand Mental Health Services:** Universities should increase the number of trained counselors and provide both in-person and online counseling services.
3. **Reduce Academic Pressure:** Universities should consider revising academic

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workloads and providing more flexible schedules to reduce stress.

4. **Provide Gender-Sensitive Support:** Mental health services should be tailored to address the specific challenges faced by female students, including societal pressures and family expectations.
5. **Strengthen Institutional Support:** Universities should create comprehensive mental health policies that include prevention, intervention, and post-intervention strategies.

Conclusion

This study provides critical insights into the mental health challenges faced by university students in Pakistan. By addressing the socio-ecological determinants of mental health and implementing institutional reforms, universities can create more supportive environments that enhance student well-being and academic success.

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