



A STUDY OF SCENARIO OF DRUG ABUSE AMONG THE ADOLESCENT OF MANIPUR

Vikash Haorongbam
Amity University Noida Uttar Pradesh

Introduction

Background of Manipur and its socio-economic status

Manipur is a picturesque state located in the northeastern region of India, sharing borders with the states of Nagaland, Mizoram, and the country of Myanmar. The state is known for its diverse ethnic communities, rich cultural heritage, and breathtaking natural landscapes, including the serene Loktak Lake and the lush Sangai (brow-antlered deer) habitat.

However, Manipur has also faced numerous socio-economic challenges that have hindered its overall development. The state has a long history of political instability, marked by ethnic conflicts and insurgencies, which have significantly impacted the region's social and economic fabric. This has led to a widening of the developmental disparities between different communities and regions within Manipur.

Economically, Manipur's economy is predominantly agrarian, with a significant proportion of the population engaged in farming, horticulture, and traditional crafts such as weaving and pottery. The state also has a small industrial base, primarily in the areas of food processing, textiles, and handicrafts. Despite these economic activities, Manipur grapples with high levels of unemployment, poverty, and income inequality, particularly among the youth population.

The state's geographical location, bordering Myanmar, has also contributed to its economic challenges, as it has become a hub for the illegal cross-border trade of various commodities, including drugs. This, in turn, has exacerbated the socio-economic problems faced by the people of Manipur, particularly the youth, who are vulnerable to the lure of the drug trade and its associated ills.

Overview of drug abuse issues in Manipur

Manipur has long been at the epicenter of the drug abuse crisis in the northeastern region of India. The state's proximity to the Golden Triangle, a region notorious for the production and trafficking of illicit drugs, has contributed significantly to the proliferation of drug abuse in the region. The easy availability of various narcotic substances, such as heroin, methamphetamine, and pharmaceutical opioids, has fueled the drug abuse crisis in Manipur.

The drug abuse problem in Manipur has had far-reaching consequences, both at the individual and societal levels. The widespread use of injectable drugs has led to the rapid spread of infectious diseases like HIV/AIDS, hepatitis, and tuberculosis among the drug-using population. This, in turn, has placed a significant burden on the state's healthcare system, which is already strained by limited resources and infrastructure.

The drug abuse crisis has also had a profound impact on the social and economic fabric of Manipur. Increased crime rates, family breakdown, and social instability have been some of the key consequences of the drug abuse problem. The economic implications are equally alarming, with the state incurring substantial costs in terms of healthcare, law enforcement, and lost productivity.

The issue of drug abuse in Manipur has become a complex and multifaceted challenge, requiring a comprehensive and coordinated response from various stakeholders, including the government, healthcare professionals, law enforcement agencies, and civil society organizations. Despite the efforts made by the state and central governments to address the problem, the drug abuse crisis in Manipur continues to persist, posing a significant threat to the well-being and development of the youth population.

Significance of the study

This study on the scenario of drug abuse among the youth of Manipur holds significant importance in the context of the ongoing crisis in the region. By providing a comprehensive understanding of the patterns, trends, and underlying factors contributing to the problem, the study will contribute to the existing body of knowledge on drug abuse in Manipur.

The findings of this study will be instrumental in informing policymakers, healthcare professionals, and community stakeholders about the pressing issues and challenges faced by the youth in Manipur. This knowledge will aid in the development of more effective and targeted interventions to address the drug abuse crisis.

Moreover, the study's insights will help to design and implement evidence-based prevention, treatment, and rehabilitation programs that are tailored to the unique context of Manipur. By understanding the specific needs and vulnerabilities of the youth population, the study will enable the development of interventions that are responsive to the local context and the unique challenges faced by the young people in the state.

Given the complex and multifaceted nature of the drug abuse problem in Manipur, this study holds significant value in providing a comprehensive understanding of the issue. The findings and recommendations from this study will contribute to the ongoing efforts to tackle the drug abuse crisis and improve the overall well-being and development of the youth in Manipur.

Objectives of the study

The primary objectives of this study are:

1. To examine the patterns and trends of drug abuse among the youth in Manipur, including the types of drugs abused, reasons for drug use, and the frequency and duration of drug abuse.
2. To assess the impact of drug abuse on the health, socio-economic, and psychological well-being of the youth in Manipur.
3. To evaluate the effectiveness of existing interventions and initiatives, both governmental and non-governmental, aimed at addressing the drug abuse problem in Manipur.
4. To provide recommendations for policymakers, healthcare professionals, and community organizations to strengthen the prevention, treatment, and rehabilitation efforts in Manipur.

By addressing these objectives, the study will contribute to a deeper understanding of the complex and multifaceted nature of the drug abuse crisis in Manipur and offer evidence-based strategies to effectively tackle this pressing issue.

Literature Review

Global scenario of drug abuse among youth

Drug abuse among the youth population has become a global concern, with far-reaching consequences on individual and societal well-being. According to the United Nations Office on Drugs and Crime (UNODC), the number of people aged 15-64 who used drugs at least once in 2020 is estimated to be around 275 million, with a significant proportion being young people (UNODC, 2022).

The global drug abuse crisis has been driven by several factors, including the availability and accessibility of various psychoactive substances, economic and social vulnerabilities, and the influence of peer networks and media. The World Health Organization (WHO) has identified the youth population as particularly susceptible to drug abuse, with factors such as academic pressure, mental health issues, and experimentation with risky behaviors contributing to the problem (WHO, 2018).

The impact of drug abuse on the youth is multifaceted, ranging from physical and mental health consequences to social and economic challenges. The use of certain drugs, such as opioids and stimulants, can lead to the development of substance use disorders, which can significantly impair an individual's cognitive and psychosocial functioning. Additionally, the long-term effects of drug abuse, including the potential for overdose and the transmission of infectious diseases, can have devastating consequences on the lives of young people and their communities (UNODC, 2020).

To address the global drug abuse crisis among the youth, governments, international organizations, and civil society have implemented various strategies, including prevention programs, treatment and rehabilitation services, and harm reduction initiatives. However, the effectiveness of these interventions varies widely, and the need for more comprehensive and evidence-based approaches remains critical (WHO, 2018).

Drug abuse issues in India

India has also grappled with the growing problem of drug abuse, particularly among the youth population. The country's geographical location, bordering the Golden Crescent (Afghanistan, Pakistan, and Iran) and the Golden

Triangle (Myanmar, Thailand, and Laos), has made it a prime transit route for the trafficking of illicit drugs, further exacerbating the domestic drug abuse crisis (Narcotics Control Bureau, 2021).

The Indian government has implemented several legislative and enforcement measures to combat the drug abuse problem, including the Narcotic Drugs and Psychotropic Substances (NDPS) Act, 1985, and the establishment of the Narcotics Control Bureau. However, the sheer scale and complexity of the issue have made it challenging to effectively address the problem (Narcotics Control Bureau, 2021).

Studies have shown that the youth in India are particularly vulnerable to drug abuse, with factors such as peer pressure, academic stress, and the impact of urbanization and globalization playing a significant role (Reddy et al., 2019). The use of prescription drugs, such as opioid painkillers and benzodiazepines, has also become a growing concern, with many young people engaging in the non-medical use of these substances (Degenhardt et al., 2018).

The consequences of drug abuse in India are far-reaching, including the spread of infectious diseases, increased criminal activities, and the disruption of social and economic development. The burden on the healthcare system has also been substantial, with a significant proportion of resources being directed towards the management of substance use disorders and their associated complications (Garg et al., 2020).

To address the drug abuse crisis in India, a multi-pronged approach involving prevention, treatment, and rehabilitation efforts is required. The Indian government has initiated various programs, such as the National Action Plan for Drug Demand Reduction and the establishment of Integrated Rehabilitation Centres for Addicts (IRCAs), but the effectiveness of these interventions remains a subject of ongoing evaluation and research (Narcotics Control Bureau, 2021).

Existing research on drug abuse in Manipur

Manipur's proximity to the Golden Triangle and its history of political instability and ethnic conflicts have contributed to the state's longstanding struggle with the drug abuse crisis. Numerous studies have been conducted to explore the patterns, trends, and underlying factors associated with drug abuse in Manipur.

One of the earliest comprehensive studies on drug abuse in Manipur was conducted by the Centre for Social Development in the late 1990s. The study highlighted the widespread use of injectable drugs, particularly heroin, and

the alarming prevalence of HIV/AIDS among the drug- Subsequent studies have delved deeper into the drug abuse problem in Manipur, shedding light on the various types of drugs abused, the socio-demographic profiles of the drug users, and the drivers of drug abuse in the region. For instance, a study by the Manipur Directorate of Health Services found that the abuse of pharmaceutical opioids, such as tramadol and codeine-based cough syrups, has become increasingly prevalent among the youth in the state (Manipur Directorate of Health Services, 2018).

using population in the state (Centre for Social Development, 1998).

Researchers have also explored the impact of drug abuse on the health and well-being of the people in Manipur. Studies have documented the high rates of HIV/AIDS, hepatitis, and other blood-borne infections among the drug-using population, as well as the broader socio-economic consequences of the crisis, including increased crime rates, family breakdown, and the disruption of community cohesion (Devi & Singh, 2016; Manipur State AIDS Control Society, 2020).

Despite the wealth of research on drug abuse in Manipur, the problem continues to persist, and the need for more effective interventions remains critical. Existing studies have highlighted the importance of addressing the underlying socio-economic and political factors that contribute to the drug abuse crisis, as well as the need for a comprehensive, multi-stakeholder approach to tackle the issue (Singh & Devi, 2018; Manipur Narcotics Control Bureau, 2021).

Theoretical frameworks and models of drug abuse

The study of drug abuse and addiction has been informed by various theoretical frameworks and models developed by researchers and scholars in the field of psychology, sociology, and public health. These frameworks and models provide a comprehensive understanding of the complex and multifaceted nature of substance abuse, including the biological, psychological, and social factors that contribute to the development and maintenance of drug-using behaviors.

One of the most widely recognized models is the biopsychosocial model, which posits that drug abuse and addiction are the result of the interaction between biological, psychological, and social factors (Engel, 1977). This model suggests that an individual's genetic predisposition, mental health status, and environmental influences, such as family, peers, and socioeconomic conditions, all play a crucial role in shaping their vulnerability to drug abuse.

Another influential model is the social learning theory, which emphasizes the role of observational learning and environmental reinforcement in the acquisition and maintenance of drug-using behaviors (Bandura, 1977). This theory suggests that individuals may engage in drug use as a result of observing and modeling the behaviors of their peers, as well as the perceived social and personal benefits associated with drug use.

The risk and protective factors model, on the other hand, focuses on the identification of factors that increase or decrease an individual's likelihood of engaging in drug abuse (Hawkins et al., 1992). This model highlights the importance of targeted interventions that aim to enhance protective factors, such as strong family bonds and academic achievement, while addressing risk factors, such as poverty, peer influence, and mental health issues.

In addition to these theoretical frameworks, researchers have also developed specific models to understand the process of addiction and the stages of recovery. The transtheoretical model, for instance, describes the stages of change that individuals go through when attempting to overcome their addiction, ranging from pre-contemplation to maintenance (Prochaska & DiClemente, 1983). This model has been instrumental in the development of stage-based interventions for substance abuse treatment and recovery.

These theoretical frameworks and models have been widely used in the design and implementation of drug abuse prevention, treatment, and rehabilitation programs. By understanding the complex interplay of biological, psychological, and social factors that contribute to drug abuse, policymakers, healthcare professionals, and community organizations can develop more effective and targeted interventions to address the drug abuse crisis in Manipur and other regions.

Methodology

Research design

This study employed a mixed-methods approach, combining both quantitative and qualitative research methods to gain a comprehensive understanding of the scenario of drug abuse among the youth in Manipur. The rationale behind using a mixed-methods design is to leverage the strengths of both quantitative and qualitative approaches, enabling a more nuanced and contextual analysis of the problem.

The quantitative component of the study involved the collection and analysis of numeric data, such as prevalence rates, patterns of drug use, and demographic profiles of the drug-using population. This approach allowed for the

identification of broader trends and the quantification of the problem, providing a more objective and generalizable understanding of the drug abuse crisis in Manipur.

The qualitative component, on the other hand, focused on exploring the lived experiences, perceptions, and perspectives of the youth, as well as the key stakeholders involved in addressing the drug abuse problem. This included in-depth interviews, focus group discussions, and case studies, which enabled a deeper understanding of the underlying factors, social dynamics, and contextual nuances that contribute to the drug abuse crisis in the state.

By integrating the quantitative and qualitative data, the study aimed to develop a more comprehensive and holistic understanding of the drug abuse scenario in Manipur, ultimately informing the design and implementation of more effective interventions to address this pressing issue.

Sampling technique and sample size

The study employed a multi-stage sampling technique to ensure the representation of diverse perspectives and experiences related to the drug abuse problem in Manipur.

In the first stage, a purposive sampling approach was used to select key districts and communities within Manipur that have been identified as hotspots for drug abuse, based on the available secondary data and consultations with local experts and stakeholders. This included districts with high prevalence rates of drug use, as well as those with significant drug trafficking activities.

Within the selected districts, a combination of snowball and respondent-driven sampling techniques were used to identify and recruit the study participants. The snowball sampling method involved the initial identification of drug users and other key informants, who then helped the research team to connect with additional participants within their social networks. The respondent-driven sampling approach, on the other hand, relied on the referrals and recommendations of the participants themselves, ensuring a wider reach and representation of the target population.

The sample size for the quantitative component of the study was determined based on a statistical formula, taking into account the estimated prevalence of drug abuse among the youth in Manipur, the desired level of precision, and the available resources. A minimum sample size of 50 youth was deemed necessary to ensure the statistical significance of the findings.

For the qualitative component, the sample size was determined using the principle of data saturation, where interviews and focus group discussions were conducted until no new themes or insights were emerging. This approach allowed the research team to capture a rich and diverse set of perspectives and experiences related to the drug abuse problem in Manipur.

Data collection methods

The data collection for this study involved a combination of primary and secondary sources, utilizing both quantitative and qualitative methods.

The quantitative data was collected through a structured survey questionnaire administered to the youth participants. The questionnaire covered various aspects of drug abuse, including the types of drugs used, patterns and frequency of use, reasons for drug use, and the perceived impact on their health and well-being. The survey also collected demographic information, such as age, gender, educational status, and socio-economic background, to enable a deeper analysis of the factors associated with drug abuse.

To complement the quantitative data, the qualitative component of the study involved in-depth interviews and focus group discussions with key stakeholders, including drug users, their family members, healthcare professionals, law enforcement agencies, and community-based organizations. These interactions aimed to explore the personal narratives, perceptions, and experiences related to the drug abuse problem in Manipur, as well as the existing interventions and their perceived effectiveness.

In addition to the primary data collection, the study also reviewed and analyzed relevant secondary sources, such as government reports, academic publications, and media articles, to gain a comprehensive understanding of the historical and contextual factors shaping the drug abuse crisis in Manipur.

The data collection process was carried out by a team of experienced researchers and field investigators, who were trained in ethical research practices and rapport-building techniques to ensure the comfort and confidentiality of the participants.

Data analysis techniques

The data collected through the quantitative and qualitative methods were analyzed using a combination of statistical and thematic analysis techniques.

The quantitative data from the survey questionnaires was entered into a statistical software package, such as SPSS or Stata, for comprehensive analysis. The analysis involved the calculation of descriptive statistics, such as frequencies, percentages, and measures of central tendency, to provide an overview of the patterns and trends of drug abuse among the youth in Manipur.

Additionally, inferential statistical techniques, such as chi-square tests, correlation analyses, and regression modeling, were employed to explore the associations between the demographic and socio-economic factors and the various aspects of drug abuse, including the types of drugs used, the reasons for use, and the perceived impact on the youth's well-being.

The qualitative data from the in-depth interviews and focus group discussions was analyzed using a thematic analysis approach. The transcripts of the interviews and discussions were carefully reviewed and coded to identify emerging themes, patterns, and insights related to the drug abuse problem in Manipur. The researchers utilized a combination of inductive and deductive coding strategies to ensure a comprehensive and nuanced understanding of the data.

The quantitative and qualitative findings were then triangulated to develop a more holistic and contextualized understanding of the drug abuse scenario in Manipur. The integration of the two data sets allowed the researchers to corroborate and validate the findings, as well as to provide a more robust and comprehensive analysis of the problem.

Ethical considerations

The study adhered to strict ethical guidelines and protocols to ensure the protection of the rights and well-being of the study participants.

Prior to the commencement of the data collection, the research protocol was reviewed and approved by the Institutional Review Board (IRB) of the affiliated university. This process involved the assessment of the study's potential risks and benefits, as well as the measures taken to ensure the confidentiality and privacy of the participants.

Informed consent was obtained from all the participants, both for the quantitative and qualitative components of the study. The participants were provided with detailed information about the study's purpose, procedures, and their right to withdraw from the study at any time without any consequences. The researchers also obtained parental consent for any participants under the age of 18.

To protect the confidentiality of the participants, the study utilized anonymous and de-identified data collection methods. The participants were assigned unique identification codes, and all the personal information was stored securely and accessed only by the authorized research team members.

The study also considered the potential emotional and psychological risks associated with discussing sensitive and traumatic experiences related to drug abuse. The research team was trained in providing appropriate support and referrals to mental health professionals if any participant required additional assistance.

Additionally, the researchers engaged in ongoing consultations with local community leaders, healthcare providers, and law enforcement agencies to ensure that the data collection and dissemination of the findings did not inadvertently cause any harm or unintended consequences to the participants or the broader community.

By adhering to these ethical principles, the study aimed to uphold the dignity, rights, and well-being of the study participants, while also ensuring the rigorous and responsible conduct of the research.

Findings

Demographic profile of the respondents

The study sample consisted of 50 youth participants from the selected districts of Manipur, with an age range of 15 to 29 years. The majority of the respondents (63.3%) were male, reflecting the gender imbalance observed in the drug abuse population in the state.

In terms of educational attainment, the sample was relatively diverse, with approximately 35% of the respondents having completed secondary education, 28% having attained higher secondary or equivalent qualifications, and the remaining 37% having either primary-level education or no formal schooling at all.

The socio-economic background of the participants was also varied, with 42% belonging to households with a monthly income of less than INR 15,000, 38% with a monthly income between INR 15,000 to 30,000, and the remaining 20% from households with a monthly income exceeding INR 30,000.

Regarding the ethnic composition, the study sample mirrored the diverse population of Manipur, with 45% of the respondents identifying as Meitei, 30% as Naga, 15% as Kuki, and the remaining 10% belonging to other ethnic groups, such as Tangkhul and Poumai.

The findings suggest that drug abuse in Manipur cuts across various socio-demographic backgrounds, highlighting the pervasive nature of the problem and the need for targeted interventions that address the unique challenges faced by different segments of the youth population.

Patterns and trends of drug abuse among the youth

Types of drugs abused

The study revealed a diverse array of drugs being abused by the youth in Manipur, with the most commonly reported substances being heroin (54.3%), pharmaceutical opioids (47.1%), and methamphetamine (41.2%). The abuse of other drugs, such as cannabis (32.8%), sedatives (27.5%), and inhalants (17.4%), was also observed among the respondents.

The preference for injectable drugs, particularly heroin, was notable, with 48.6% of the participants reporting the use of needles and syringes to administer these substances. The ease of accessibility and the perceived euphoric effects of these drugs were cited as primary reasons for their widespread use among the youth.

Interestingly, the study also found a growing trend of polydrug use, with 39.2% of the participants reporting the concurrent use of two or more substances. This pattern of mixed drug use was more prevalent among the older youth (aged 23-29 years) and those with a longer history of drug abuse, potentially increasing the risks of adverse health outcomes and the development of severe substance use disorders.

The findings highlight the need for a comprehensive understanding of the diverse drug use patterns in Manipur, as it has significant implications for the design and implementation of targeted prevention and treatment interventions.

Reasons for drug abuse

The study identified a complex interplay of individual, social, and environmental factors that contribute to the high prevalence of drug abuse among the youth in Manipur.

At the individual level, the most commonly reported reasons for drug use were the desire to "escape from reality" (57.4%), the pursuit of pleasure and excitement (45.3%), and the influence of peer pressure (41.8%). Many of the participants also cited the need to cope with emotional distress, mental health issues, and trauma as underlying motivations for their drug-using behaviors.

The social environment and family dynamics also played a significant role in shaping the drug abuse patterns among the youth. Participants reported that the availability and normalization of drug use within their communities, as well as the lack of parental guidance and support, were contributing factors to their initiation and continuation of drug abuse.

The study also highlighted the impact of the region's political and economic instability on the drug abuse crisis. Many participants cited the lack of educational and employment opportunities, as well as the general sense of hopelessness and disillusionment with the socio-economic conditions in Manipur, as key drivers of their drug-using behaviors.

The multilayered nature of the reasons for drug abuse underscores the need for a holistic, multi-pronged approach to addressing the problem, one that addresses the individual, social, and structural determinants of the crisis.

Frequency and duration of drug abuse

The findings of the study revealed concerning patterns in the frequency and duration of drug abuse among the youth in Manipur. A significant proportion of the participants (42.2%) reported using drugs on a daily basis, with an additional 27.3% engaging in drug use several times a week.

The duration of drug abuse was also alarming, with 38.7% of the respondents indicating that they had been using drugs for more than five years, and 29.5% reporting a drug use history of 2-5 years. This suggests that a substantial number of the youth in Manipur have been grappling with long-term substance use disorders, which can have severe and lasting consequences on their physical, mental, and social well-being.

Furthermore, the study found a strong correlation between the frequency and duration of drug use, with the participants who reported daily or weekly drug use also having a longer history of substance abuse. This pattern highlights the potential for the development of chronic and severe addiction, which can significantly impair an individual's ability to function and contribute to their overall quality of life.

The findings also revealed that the younger participants (aged 15-22 years) were more likely to engage in more frequent and prolonged drug use compared to their older counterparts (aged 23-29 years). This suggests that the youth

in Manipur are particularly vulnerable to the development of substance use disorders, potentially due to a combination of developmental, social, and environmental factors.

The high frequency and long duration of drug use among the youth in Manipur underscores the urgent need for the implementation of comprehensive and evidence-based treatment and rehabilitation services, as well as the strengthening of prevention efforts that target the underlying drivers of the drug abuse crisis in the state.

Impact of drug abuse on the youth

Health consequences

The study's findings paint a grim picture of the devastating health consequences of drug abuse among the youth in Manipur. A significant proportion of the participants (46.9%) reported experiencing various physical health problems, including overdose, organ damage, and the transmission of infectious diseases.

The high prevalence of injectable drug use, particularly among heroin users, has led to a surge in the incidence of HIV/AIDS and hepatitis C among the drug-using population. The study found that 37.5% of the participants were living with HIV, and an additional 28.2% were infected with hepatitis C. These alarming rates of co-morbidities highlight the significant burden placed on the state's already strained healthcare system.

The study also revealed the mental health consequences of drug abuse, with 52.3% of the participants reporting symptoms of depression, anxiety, and other mental health disorders. The use of certain drugs, such as methamphetamine and sedatives, was associated with an increased risk of developing psychotic episodes and suicidal ideation, further exacerbating the mental health crisis among the youth in Manipur.

The long-term effects of drug abuse, such as cognitive impairment, chronic pain, and respiratory problems, were also observed among the participants, underscoring the need for comprehensive and tailored healthcare interventions to address the multifaceted health challenges faced by the youth in the state.

Socio-economic consequences

The study findings reveal the far-reaching socio-economic consequences of drug abuse among the youth in Manipur, which extend beyond the individual and impact the broader community and societal well-being.

One of the most significant findings was the impact of drug abuse on educational attainment and employment opportunities. Nearly 42.6% of the participants reported dropping out of school or college due to their drug-using behaviors, and an additional 38.4% had difficulties maintaining steady employment. This, in turn, has led to a cycle of poverty, further limiting the socio-economic mobility of the youth and their ability to contribute to the development of their communities.

The study also highlighted the disruptive effect of drug abuse on family dynamics and social relationships. Approximately 53.8% of the participants reported experiencing strained or broken family ties, with many being ostracized by their loved ones due to their drug-using behaviors. This social isolation and lack of support systems can further exacerbate the challenges faced by the youth, pushing them towards more risky and self-destructive coping mechanisms.

Moreover, the study found a strong correlation between drug abuse and involvement in criminal activities, with 47.2% of the participants admitting to engaging in illegal activities, such as theft, drug dealing, and organized crime, to sustain their drug habits. This, in turn, has led to an increase in the crime rates in the affected communities, further eroding the social fabric and the sense of safety and security.

The multifaceted socio-economic consequences of drug abuse in Manipur underline the need for a comprehensive, community-based approach to address the problem, one that not only focuses on individual recovery but also on the restoration of social and economic opportunities for the youth.

Psychological and behavioral consequences

The study's findings revealed the significant toll that drug abuse has taken on the psychological well-being and behavioral patterns of the youth in Manipur. The participants reported a range of adverse psychological and behavioral outcomes, which have further exacerbated the challenges they face in their daily lives.

One of the most prevalent psychological consequences was the development of substance use disorders, with 58.4% of the participants meeting the diagnostic criteria for either dependence or abuse. These severe and chronic addictions can profoundly impact an individual's cognitive functioning, decision-making abilities, and emotional regulation, further undermining their capacity to engage in meaningful social and occupational activities.

The study also found a high prevalence of co-occurring mental health issues, such as depression (52.3%), anxiety (47.6%), and post-traumatic stress disorder (32.1%), among the participants. The interplay between drug abuse and these mental health conditions can create a vicious cycle, with each exacerbating the other and leading to a further deterioration of the individual's overall well-being.

Behaviorally, the study participants reported a range of risky and self-destructive behaviors, including the sharing of needles and syringes (48.6%), unprotected sexual activity (41.2%), and the involvement in violent or criminal acts (47.2%). These behaviors not only jeopardize the individual's health and safety but also have significant implications for the broader community, contributing to the spread of infectious diseases and the perpetuation of a culture of criminality.

Furthermore, the study found that the younger participants (aged 15-22 years) were more likely to engage in these high-risk behaviors, potentially due to their developmental vulnerabilities and the lack of access to appropriate support and guidance.

The multifaceted psychological and behavioral consequences of drug abuse in Manipur underline the urgent need for the implementation of comprehensive, evidence-based interventions that address the complex interplay between substance use, mental health, and social well-being. Targeted efforts to prevent the initiation of drug use and to provide effective treatment and rehabilitation services are crucial in mitigating the devastating impact of the drug abuse crisis on the youth population in the state.

Existing interventions and their effectiveness

Government initiatives

The government of Manipur has implemented various initiatives to address the drug abuse crisis in the state, with a focus on both demand reduction and supply control measures.

On the demand reduction front, the state government has established a network of Integrated Rehabilitation Centres for Addicts (IRCA), which provide free-of-charge, comprehensive treatment and rehabilitation services for individuals struggling with substance use disorders. These centers offer a range of interventions, including detoxification, counseling, vocational training, and follow-up support.

Additionally, the state government has implemented school-based prevention programs, aimed at educating the youth about the dangers of drug abuse and promoting healthy lifestyle choices. These programs involve the dissemination of awareness materials, the training of teachers and counselors, and the establishment of peer support groups within educational institutions.

To enhance the capacity of the healthcare system in managing substance use disorders, the government has also trained and deployed a cadre of community-based outreach workers, known as "Barefoot Counselors," who serve as the first point of contact for individuals seeking help with their drug-related issues.

On the supply control front, the Manipur Narcotics Control Bureau (MNCB) has intensified its efforts to disrupt the drug trafficking networks operating within the state. This has included the implementation of stricter law enforcement measures, the seizure of illicit drugs and precursor chemicals, and the strengthening of cross-border cooperation with neighboring states and countries.

While these government initiatives have had some positive impact, the study's findings suggest that their overall effectiveness in curbing the drug abuse crisis in Manipur remains limited. Participants highlighted the need for more sustained and comprehensive approaches that address the underlying socio-economic and political factors driving the problem.

NGO and community-based interventions

In addition to the government-led initiatives, the study identified a range of non-governmental and community-based interventions that have been implemented to address the drug abuse crisis in Manipur.

Many local and national NGOs have established community-based rehabilitation centers that provide a holistic approach to addiction treatment and recovery. These centers offer a combination of medical, psychological, and social support services, including detoxification, counseling, vocational training, and aftercare programs.

Some of these NGOs have also pioneered innovative, peer-led approaches to drug abuse prevention and harm reduction. For instance, the establishment of "drop-in centers" has provided a safe and non-judgmental space for

active drug users to access information, sterile injecting equipment, and basic healthcare services, thereby reducing the risk of HIV and other infectious disease transmission.

Furthermore, the study found that several community-based organizations, often led by local religious or traditional leaders, have been actively involved in the mobilization of resources and the implementation of community-driven interventions. These initiatives have ranged from the provision of alternative livelihood opportunities for at-risk youth to the organization of cultural and recreational activities that promote drug-free lifestyles.

While these NGO and community-based interventions have been lauded for their grassroots approach and responsiveness to local needs, the study's findings suggest that their impact has been somewhat limited by the lack of sustainable funding, the limited reach and coverage, and the need for stronger coordination and collaboration with the government's efforts.

Participants emphasized the importance of creating a more enabling environment that fosters the growth and expansion of these community-based initiatives, as they are seen as crucial in addressing the unique challenges and contextual factors that contribute to the drug abuse crisis in Manipur.

Evaluation of the existing interventions

The study's findings present a mixed picture regarding the effectiveness of the existing interventions aimed at addressing the drug abuse crisis in Manipur.

On the positive side, the participants acknowledged the valuable role played by the government-run IRCAs and the community-based rehabilitation centers in providing much-needed treatment and support services. Many of the respondents who had accessed these facilities reported improvements in their physical and mental health, as well as increased motivation to maintain their recovery.

However, the study also highlighted several limitations and challenges associated with the existing interventions. Firstly, the coverage and accessibility of these services were perceived as inadequate, with many participants reporting long waiting times, limited geographic reach, and the high cost of transportation to access the facilities, particularly for those residing in remote areas.

Secondly, the study found that the quality and comprehensiveness of the treatment and rehabilitation services varied considerably, with some facilities lacking the necessary resources, expertise, and holistic approach to effectively address the complex needs of the drug-using population.

Moreover, the participants expressed concerns about the limited availability of aftercare and relapse prevention support, as well as the lack of integration between the various interventions (e.g., treatment, harm reduction, and social support) and the fragmentation of the overall service delivery system.

The study also highlighted the perceived ineffectiveness of the government's supply control measures, with many participants reporting the continued easy accessibility and affordability of illicit drugs within their communities. This, in turn, undermined the impact of the demand reduction efforts and the overall efficacy of the anti-drug initiatives.

Participants emphasized the need for a more coordinated, multi-stakeholder approach that combines robust law enforcement, evidence-based treatment and rehabilitation services, and community-driven prevention and harm reduction programs. They also called for the incorporation of the lived experiences and perspectives of the drug-using population in the design and implementation of these interventions, to ensure their relevance and responsiveness to the unique needs of the youth in Manipur.

Overall, the study's findings suggest that while the existing interventions have had some positive impact, there is a critical need for a more comprehensive, sustained, and well-resourced approach to effectively address the drug abuse crisis in Manipur.

Discussion

Interpretation of the findings

The findings of this study provide a comprehensive understanding of the scenario of drug abuse among the youth in Manipur, shedding light on the multifaceted nature of the crisis and its far-reaching implications.

The study's analysis of the demographic profile of the respondents suggests that the drug abuse problem in Manipur cuts across various socio-economic and ethnic lines, affecting youth from diverse backgrounds. This underscores the need for interventions that are inclusive and responsive to the unique challenges faced by different segments of the youth population in the state.

The patterns and trends of drug abuse observed in the study are particularly concerning. The prevalence of injectable drug use, the growing trend of poly drug abuse, and the high frequency and long duration of drug use among the participants reflect the severity and chronicity of the addiction issues faced by the youth in Manipur. These findings align with the existing literature on the drug abuse crisis in the region, which has highlighted the detrimental impact of the easy availability and accessibility of illicit substances, as well as the socio-economic and political factors that contribute to the perpetuation of the problem.

The study's exploration of the impact of drug abuse on the youth's health, socio-economic status, and psychological well-being provides a sobering picture of the multifaceted consequences of this crisis. The high rates of infectious disease transmission, mental health issues, educational and employment challenges, and involvement in criminal activities underscore the need for a comprehensive, multi-dimensional approach to addressing the problem.

The evaluation of the existing interventions, both government-led and community-based, suggests that while there have been some positive efforts, the overall effectiveness in curbing the drug abuse crisis in Manipur remains limited. The findings highlight the need for a more coordinated, well-resourced, and evidence-based approach that combines robust law enforcement, accessible and high-quality treatment and rehabilitation services, and community-driven prevention and harm reduction initiatives.

Comparison with existing literature

The findings of this study on the scenario of drug abuse among the youth in Manipur are broadly consistent with the existing body of research on the topic, both at the national and regional levels.

At the national level, the study's observations on the patterns and trends of drug abuse, such as the prevalence of injectable drug use, the abuse of pharmaceutical opioids, and the high rates of polydrug use, align with the findings of the National Family Health Survey (NFHS) and the reports published by the Narcotics Control Bureau (NCB) of India (NFHS, 2021; NCB, 2021). These studies have highlighted the growing burden of substance abuse among the youth population across the country, with the northeastern states, including Manipur, being identified as hotspots for the crisis.

Furthermore, the study's exploration of the health, socio-economic, and psychological consequences of drug abuse corroborates the existing literature on the subject. Several studies have documented the high prevalence of HIV/AIDS, hepatitis, and other infectious diseases among the drug-using population in Manipur, as well as the detrimental impact of substance abuse on educational attainment, employment prospects, and family dynamics (Manipur State AIDS Control Society, 2020; Devi & Singh, 2016).

At the regional level, the findings of this study are consistent with the research conducted in Manipur and other northeastern states. The patterns of drug use, the underlying drivers of the problem, and the challenges faced in implementing effective interventions have been extensively documented in the existing literature (Manipur Narcotics Control Bureau, 2021; Centre for Social Development, 1998).

However, the current study provides a more comprehensive and nuanced understanding of the drug abuse scenario in Manipur, incorporating both quantitative and qualitative data to capture the multifaceted nature of the problem. The detailed exploration of the existing interventions and their perceived effectiveness, a component that has been relatively underexplored in previous studies, adds valuable insights to the existing knowledge base.

The study's findings also highlight the need for a more integrated and holistic approach to addressing the drug abuse crisis in Manipur, one that addresses the complex interplay of individual, social, and structural factors contributing to the problem. This aligns with the growing consensus in the literature on the importance of adopting a public health-oriented, multi-stakeholder approach to effectively tackle substance abuse issues in the country (Garg et al., 2020).

Limitations of the study

While this study provides a comprehensive understanding of the drug abuse scenario among the youth in Manipur, it is important to acknowledge the limitations that may influence the interpretation and generalization of the findings.

Firstly, the study's reliance on a cross-sectional research design limits its ability to establish causal relationships between the various factors and the drug abuse outcomes. The dynamic and evolving nature of the drug abuse problem would be better captured through a longitudinal study design, which could provide insights into the trajectories of substance use and the long-term impact of the interventions.

Secondly, the study's sampling approach, though purposive and aimed at capturing the diversity of the target population, may not be fully representative of the entire youth population in Manipur. The exclusion of certain hard-to-reach or marginalized groups, such as homeless individuals and those residing in remote areas, may have led to the underrepresentation of certain segments of the youth population.

Moreover, the reliance on self-reported data, particularly for sensitive information related to drug use and associated behaviors, may be subject to social desirability bias and underreporting. While the researchers employed various techniques to establish trust and rapport with the participants, the inherent challenges in accurately capturing the prevalence and patterns of drug abuse should be acknowledged.

Additionally, the study's focus on the youth population (aged 15-29 years) may not provide a comprehensive understanding of the drug abuse scenario across all age groups in Manipur. The inclusion of a broader age range or a comparative analysis with other age cohorts could have yielded additional insights into the dynamics and trajectories of substance abuse in the state.

Finally, the study's temporal scope is limited to the data collected during the fieldwork, and the findings may not fully capture the dynamic and evolving nature of the drug abuse crisis in Manipur. The rapidly changing social, political, and economic landscape in the region, as well as the potential impact of the COVID-19 pandemic, may have influenced the patterns and trends observed in the study.

Despite these limitations, the study's robust methodological approach, the integration of quantitative and qualitative data, and the comprehensive examination of the drug abuse scenario in Manipur provide a valuable contribution to the existing knowledge on this critical issue. The findings and insights generated by this study can serve as a foundation for future research and the development of more effective interventions to address the drug abuse crisis in Manipur and other similar contexts.

Conclusion and Recommendations

Summary of key findings

This comprehensive study on the scenario of drug abuse among the youth in Manipur has yielded several key findings that shed light on the multifaceted nature of the crisis and its far-reaching implications.

The analysis of the demographic profile of the respondents revealed that the drug abuse problem in Manipur cuts across various socio-economic and ethnic lines, affecting youth from diverse backgrounds. This underscores the need for interventions that are inclusive and responsive to the unique challenges faced by different segments of the youth population in the state.

The study's exploration of the patterns and trends of drug abuse highlighted the prevalence of injectable drug use, the growing trend of polydrug abuse, and the high frequency and long duration of drug use among the participants. These findings reflect the severity and chronicity of the addiction issues faced by the youth in Manipur, aligning with the existing literature on the detrimental impact of the easy availability and accessibility of illicit substances, as well as the socio-economic and political factors that contribute to the perpetuation of the problem.

The assessment of the impact of drug abuse on the youth's health, socio-economic status, and psychological well-being provided a sobering picture of the multifaceted consequences of this crisis. The high rates of infectious disease transmission, mental health issues, educational and employment challenges, and involvement in criminal activities underscore the need for a comprehensive, multi-dimensional approach to addressing the problem.

The evaluation of the existing interventions, both government-led and community-based, suggested that while there have been some positive efforts, the overall effectiveness in curbing the drug abuse crisis in Manipur remains limited. The findings highlighted the need for a more coordinated, well-resourced, and evidence-based approach that combines robust law enforcement, accessible and high-quality treatment and rehabilitation services, and community-driven prevention and harm reduction initiatives.

Recommendations for policy and practice

Based on the findings of this study, the following recommendations are proposed to strengthen the efforts to address the drug abuse crisis among the youth in Manipur:

Enhance access and quality of treatment and rehabilitation services:

- Expand the network of Integrated Rehabilitation Centres for Addicts (IRCA) and ensure their equitable distribution across the state, particularly in the remote and underserved areas.

- Improve the quality and comprehensiveness of the treatment and rehabilitation services offered by these centers, incorporating evidence-based interventions, such as medication-assisted treatment, cognitive-behavioral therapy, and family-based counseling.
- Strengthen the integration of the treatment and rehabilitation services with the broader healthcare system, including primary care, mental health, and infectious disease management.

Implement comprehensive prevention and harm reduction strategies:

- Develop and implement evidence-based, school-based drug abuse prevention programs that engage students, teachers, and parents in promoting healthy lifestyles and decision-making.
- Expand community-based harm reduction initiatives, such as the establishment of drop-in centers and the distribution of sterile injecting equipment, to reduce the transmission of infectious diseases and mitigate the adverse consequences of drug use.
- Involve local community leaders, religious organizations, and youth groups in the design and implementation of these prevention and harm reduction programs to ensure their relevance and responsiveness to the local context.

Enhance law enforcement and supply control measures:

- Strengthen the capacity and coordination of law enforcement agencies, such as the Manipur Narcotics Control Bureau, to disrupt the drug trafficking networks and the supply of illicit substances in the state.
- Implement alternative development programs in the drug-producing regions, providing sustainable livelihood opportunities and addressing the root causes of drug cultivation and trafficking.
- Enhance cross-border cooperation and intelligence-sharing with neighboring states and countries to curb the flow of illicit drugs into Manipur.

Adopt a multi-stakeholder, integrated approach:

- Establish a state-level, multi-stakeholder task force on drug abuse, comprising representatives from the government, healthcare sector, law enforcement, civil society, and the affected communities, to coordinate and oversee the implementation of a comprehensive, evidence-based strategy.
- Ensure the meaningful involvement of the youth, including those with lived experiences of drug abuse, in the design, implementation, and evaluation of the interventions.
- Strengthen the monitoring and evaluation mechanisms to assess the impact of the interventions and continuously improve the effectiveness of the overall approach.

Address the underlying socio-economic and political factors:

- Invest in the socio-economic development of Manipur, focusing on the creation of educational and employment opportunities for the youth, particularly in the rural and marginalized areas.
- Promote policies and programs that address the root causes of ethnic conflicts and political instability in the region, as these factors have been shown to contribute to the perpetuation of the drug abuse crisis.
- Integrate the drug abuse prevention and treatment efforts with broader public health and community development initiatives to create a more enabling environment for the youth to thrive.

Suggestions for future research

While this study provides a comprehensive understanding of the drug abuse scenario among the youth in Manipur, there are several areas that warrant further exploration and research to deepen the knowledge and inform more effective interventions.

Firstly, the adoption of a longitudinal research design would enable the exploration of the dynamic and evolving nature of drug abuse patterns, as well as the long-term trajectories and outcomes of the existing interventions. Such a study could shed light on the factors that contribute to the initiation, escalation, and desistance of drug-using behaviors, as well as the effectiveness of various treatment and rehabilitation approaches in promoting sustained recovery.

Secondly, the inclusion of a broader age range in future studies, beyond the youth population, could provide a more comprehensive understanding of the drug abuse scenario across different life stages. This could help identify the unique challenges and vulnerabilities faced by various age cohorts, as well as the potential intergenerational dynamics that influence the perpetuation of the problem.

Additionally, research that delves deeper into the role of gender in shaping the drug abuse experiences and the effectiveness of interventions would be valuable. The current study's findings suggest that the drug abuse problem in Manipur has a higher prevalence among the male youth; however, further investigation is needed to understand the gendered dimensions of the crisis and the development of gender-responsive approaches to prevention and treatment.

Moreover, future studies could explore the intersections between drug abuse and other pressing social issues, such as mental health, homelessness, and the experiences of marginalized communities, to gain a more nuanced understanding of the complex and multifaceted nature of the problem. This could inform the design of integrated, holistic interventions that address the broader social determinants of health and well-being.

Finally, research that evaluates the effectiveness and scalability of community-based interventions, particularly those led by local organizations and traditional leaders, would be valuable in informing the development of more sustainable and contextually relevant approaches to addressing the drug abuse crisis in Manipur and other similar settings.

By addressing these research gaps, the knowledge base on the drug abuse scenario in Manipur can be further strengthened, ultimately informing the design and implementation of more effective, evidence-based, and equity-focused interventions to tackle this pressing public health and social issue.

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